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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XL. JANUARY, 1935. No. 1.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The outstanding feature of the weather during the month was the blizzard that made its advent during the night of the 22d and all day of the 23d. By the morning of the 24th traffic was almost at a standstill. In many cases it required several days to clear the roads of the drifts resulting from the twelve to eighteen inch snowfall combined with high winds. The southern seacoast district experienced much lighter amounts than the remainder of the State. Temperatures dropped to near or below the zero mark and there had been no marked recovery from the cold period during which all stations, except those near the Coast, registered from one to twenty six degrees below zero. Earlier in the month the weather had been about normal except for the mild period from the 6th to the 11th, inc., when temperatures remained mostly above the freezing point. The highest for the month occurred generally on the 8th, 9th and 10th, and were mostly in the 50's and low 60's.

General rains occurred on the 1st, 9th and 10th, both rain and snow on the 17th, and again during the 20th to 24th, inc., this last culminating in the heavy snow and blizzard conditions mentioned above. The percentages of normal precipitation for the various sections were as follows: The Highlands, 113%; Red Sandstone Plain, 98%; Southern Interior, 139%; Sea Coast, 122%; State, 112%.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 36 stations, was 28.2°, which was 2.7° below normal. The highest temperature was 65° at Indian Mills on on the 8th, and the lowest, —26°, at Runyon on the 28th. The greatest daily range of temperature was 52° at Runyon on the 28th. The highest monthly mean temperature was 32.3° at Atlantic City, and the lowest, 22.2° at Layton.

The temperature departure from the normal for the year. 1935, to date, by sections, is: The Highlands, —1.1°; Red Sandstone Plain, —2.3°; Southern Interior, —1.6°; Sea Coast, —1.5°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 43 stations, was 4.00 inches, which was 0.43 inch above normal. The average total snowfall at 20 selected stations was 15.8 inches, which was 8.3 inches above normal. The greatest monthly precipitation was 5.98 inches, at Hammonton, and the least, 2.37 inches at Boonton. The greatest amount of precipitation in any 24 consecutive hours was 2.31 inches at Northfield on the 23d. The mean of the number of days on which 0.01 inch or more of precipitation fell was 11, or 1 more than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands. +0.43 inch; Red Sandstone Plain, —0.06 inch; Southern Interior, +1.25 inches; Sea Coast, +0.84 inch.

WIND.

The prevailing wind direction was from the northwest. The wind movement averaged 14 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 44 miles per hour from the northwest at Sandy Hook on the 14th.

MISCELLANEOUS.

The per cent of possible sunshine was 48, or 2 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.18 inches, or 0.07 inch above the normal. The highest reading was 30.81 inches at Long Branch and Ridgefield on the 5th, and the lowest 29.47 inches at Ridgefield on the 1st.

The mean stage of the Delaware River at Phillipsburg was 4.0 feet, and the highest 11.8 feet on the 11th. At Trenton the mean stage was 3.5 feet, and the highest 6.8 feet on the 11th.

Sleet was observed quite generally throughout the State on the 22d, it was also noted at a few scattered places on the 13th, 17th, 18th, 20th and 23d. Dense fog occurred with the exception of a few places during the period of the 6th to 10th inclusive and the 20th to 22d. It was also noted at scattered points in the State on the 1st and 17th.

COMPARATIVE DATA FOR JANUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	−0.1	67	0	4.08	+0.51	5.41	3.33	......	....	....	....	....
1886	27.3	−3.6	60	−10	4.47	+0.90	5.59	3.08	......	....	....	....	....
1887	28.4	−2.5	67	−6	3.86	+0.29	6.65	2.00	......	10	....	....	....
1888	25.4	−5.5	59	−12	4.77	+1.20	6.74	2.80	.....	9	....	....	....
1889	36.2	+5.3	60	8	5.68	+2.11	8.78	3.84	......	9	....	....	....
1890	41.3	+10.4	**78**	12	2.29	−1.28	3.22	1.05	......	10	....	....	....
1891	34.2	+3.3	59	10	**6.57**	+3.00	**10.55**	4.41	......	10	10	11	10
1892	29.9	−1.0	67	−6	5.13	+1.56	7.05	2.50	......	10	10	9	12
1893	21.6	−9.3	*54*	−21	3.04	−0.53	4.56	1.87	......	9	10	10	11
1894	34.2	+3.3	61	−4	2.34	−1.23	3.80	1.18	......	11	10	8	13
1895	28.1	−2.8	64	−4	4.66	+1.09	5.80	2.48	9.7	11	10	10	11
1896	28.6	−2.3	61	−7	1.66	−1.91	2.81	**0.68**	......	5	12	10	9
1897	29.0	−1.9	64	−6	2.80	−0.77	4.21	1.70	11.5	9	11	8	12
1898	32.6	+1.7	64	−10	4.20	+0.63	5.90	2.79	9.7	11	9	11	11
1899	30.1	−0.8	60	−21	4.01	+0.44	5.73	2.40	6.0	11	13	8	10
1900	32.4	+1.5	64	−5	3.85	+0.28	5.50	2.37	2.6	10	11	11	9
1901	30.4	−0.5	63	−6	2.52	−1.05	4.00	1.35	5.4	9	11	11	9
1902	28.4	−2.5	58	−5	3.28	−0.29	4.35	2.52	8.6	10	12	9	10
1903	30.4	−0.5	57	−5	3.90	+0.33	5.04	2.31	6.4	10	10	10	11
1904	23.3	−7.6	58	**−34**	3.09	−0.48	4.67	1.34	15.6	10	13	7	11
1905	27.0	−3.9	60	−16	4.18	+0.61	7.13	2.68	21.3	9	12	9	10
1906	36.5	+5.6	74	−5	2.85	−0.72	3.86	2.08	3.1	11	11	9	11
1907	31.8	+0.9	71	−19	3.50	−0.07	5.80	1.93	10.3	14	8	9	14
1908	31.8	+0.9	60	−6	3.74	+0.17	5.22	2.29	9.9	9	12	11	8
1909	33.2	+2.3	69	−12	3.18	−0.39	4.13	2.18	7.5	12	8	9	14
1910	29.7	−1.2	*54*	−15	5.04	+1.47	6.65	3.66	13.3	15	8	8	15
1911	33.5	+2.6	63	0	3.44	−0.13	5.34	1.97	3.6	14	10	7	14
1912	22.3	−8.6	58	−32	2.82	−0.75	4.62	1.73	13.4	13	8	12	11
1913	39.5	+8.6	68	10	3.58	+0.01	4.71	2.63	*0.8*	14	11	7	13
1914	31.9	+1.0	73	−12	3.85	+0.28	6.15	1.95	2.4	9	9	8	14
1915	33.5	+2.6	61	3	6.55	+2.98	8.92	4.40	3.4	12	11	6	14
1916	35.1	+4.2	74	−2	**1.50**	−2.07	2.96	0.92	1.9	11	11	8	12
1917	31.4	+0.5	58	0	3.26	−0.31	4.52	2.35	5.4	13	10	8	13
1918	**20.3**	−10.6	56	−16	4.14	+0.57	6.14	2.78	18.9	11	12	8	11
1919	34.1	+3.2	62	−7	3.51	−0.06	4.44	2.24	1.3	8	14	7	10
1920	23.6	−7.3	53	−10	2.60	−0.97	3.53	1.61	6.6	11	11	7	13
1921	33.0	+2.1	63	−5	2.63	−0.94	3.49	1.78	2.7	9	13	8	10
1922	27.6	−3.3	57	−11	2.62	−0.95	4.13	1.08	11.1	8	15	6	10
1923	30.1	−0.8	66	−14	5.22	+1.65	7.26	3.41	16.6	12	9	7	15
1924	32.2	+1.3	65	−6	4.48	+0.91	5.69	2.88	1.4	8	15	8	8
1925	27.4	−3.5	59	−20	4.43	+0.86	8.73	2.54	**22.8**	10	12	6	13
1926	30.8	−0.1	63	−9	2.61	−0.96	4.04	1.63	2.4	9	11	8	12
1927	29.2	−1.7	70	−12	2.22	−1.35	3.32	1.19	7.9	11	11	7	13
1928	32.5	+1.6	65	−15	2.26	−1.31	3.97	1.37	8.3	8	15	8	8
1929	30.7	−0.2	67	−4	3.49	−0.08	5.03	1.92	1.6	10	13	7	11
1930	31.7	+0.8	72	−14	2.92	−0.65	4.03	1.80	5.9	10	10	6	15
1931	31.6	+0.7	64	−5	2.16	−1.41	4.35	1.37	1.6	5	16	7	8
1932	**42.4**	+11.5	76	18	4.50	+0.93	6.09	2.79	1.5	13	8	6	17
1933	38.5	+7.6	67	2	2.39	−1.18	4.46	1.38	1.2	8	13	7	11
1934	33.6	+2.7	64	−1	2.59	−0.98	4.07	0.92	0.2	8	11	8	12
1935	28.2	−2.7	65	−26	4.00	+0.43	5.98	2.37	15.8	11	13	5	13
Period	30.9	....	78	−34	3.57	....	10.55	0.68	7.5	10	11	8	12

W. B. O. Philadelphia-2-28-35-1050

Climatological Data for January, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	26.8	−0.6	51	9	−8	28	37	3.87	+0.11	0.97	16.2	11	14	2	15	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	26.6	−0.3	58	9	−14	28	47	4.56	+0.94	1.23	21.5	12	17	1	13	e.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	−15	30	....	3.35	+0.31	1.09	16.0	10	14	6	11	e.	Brice E. Riker.
Dover	Morris	600	51	26.8[f]	+0.1	57	9	−6	28	33	3.20	−0.80	0.97	12.5	13	4	15	12	......	William C. Harris
Layton	Sussex	480	34	22.2	−2.8	55	10	−20	28	45	3.46	+0.48	0.86	19.9	11	9	7	15	ne.	A. M. Depue.
Long Valley	Morris	520	5	26.0[a]	......	54	9†	−4	28	36	2.89	......	0.78	14.0	9	10	0	21	w.	S. N .Dilts.
Newton	Sussex	769	52	......	......	......	......	......	......	....	......	......	......	......	......	......	......	......	......	Irving J. Kern.
Phillipsburg	Warren	363	§52	27.2	−1.2	51	9†	−3	25†	28	3.78	+0.40	0.83	11.7	10	13	6	12	......	Town Engineer.
Sussex	Sussex	442	40	25.0	−1.8	57	9	−12	28	38	4.57	+1.60	1.90	13.2	12	15	3	13	......	A. J. W. Mowatt
Means and extremes	......	......	....	25.8	−1.1	58	9	−20	28	47	3.71	+0.43	1.90	15.6	11	12	5	14	e.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	22.9	−4.2	49	4	−11	28	35	3.37	−1.01	0.90	......	12	13	1	17	ne.	John Kline.
Canoe Brook	Essex	173	5	25.3	......	55	9	−25	28	47	3.22	......	0.80	......	10	13	6	12	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	4.30	+0.33	1.18	21.0	17	12	7	12	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	28.3[b]	−2.1	55	10	−9	28	33	3.75	+0.05	0.96	17.5	12	15	3	13	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	27.9	−2.0	54	9	−12	28	34	2.98	−0.49	0.81	18.0	14	14	4	13	nw.	Hiram E. Deats.
Jersey City	Hudson	10	37	29.2	−2.9	58	9†	−1	28	27	4.11	+0.41	1.25	22.4	12	9	5	17	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	26.8	−3.4	55	9	−9	28	30	3.25	−0.21	0.79	21.0	10	13	3	15	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	26.8	−1.7	56	10	−13	28	36	3.45	−0.22	1.42	11.4	17	13	6	12	nw.	Passaic Valley Water Co
New Brunswick	Middlesex	110	82	28.5	−1.8	57	10	−14	28	37	2.99	−0.41	0.75	16.2	12	16	6	9	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	4.13	+1.05	1.30	......	14	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	27.4[a]	−2.5	54	10	−12	28	38	2.82	−0.73	1.25	7.5	11	14	4	13	nw.	William H. Meyer.
Plainfield	Union	120	47	28.6	−1.2	57	9	−8	28	29	3.67	+0.02	1.06	25.2	12	12	5	14	n.	S. K .Pearson.
Ridgefield	Bergen	80	18	26.2	−2.3	55	9	−8	28	34	4.28	+0.62	1.57	24.8	15	12	4	15	nw.	George P. Kirsten.
Somerville	Somerset	70	52	27.6	−1.4	57	9	−12	28	32	2.99	−0.53	0.95	13.7	9	12	6	13	se.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	3.37	+0.22	0.98	......	14	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	314	65	29.2	−1.7	58	9	0	28	26	4.08	+0.42	1.49	20.9	11	10	7	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	27.1	−2.3	58	9†	−25	28	47	3.45	−0.06	1.57	18.1	13	13	5	13	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	......	......	......	......	......	......	....	5.39	+1.85	......	......	....	....	....	....	......	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	29.4	−4.3	61	8†	−6	27	34	5.21	+1.76	1.46	15.0	9	16	3	12	nw.	Bennett K. Matlack
Burlington	Burlington	12	§49	31.4	−1.6	60	8	−10	28	37	3.95	+0.38	1.10	14.8	11	13	6	12	nw.	Public Service G. & E. Co.
Camden	Camden	20	3	29.5	......	60	8	−7	28	32	3.03	......	0.82	20.3	7	9	4	18	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	29.2	......	59	10	−10	28	37	3.43	+0.53	1.12	20.0	9	17	2	12	w.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	29.4	......	64	8	−5	27	35	5.98	+2.24	1.47	17.7	10	17	9	5	nw.	Geo. W. Lobley.
Hightstown	Mercer	110	42	29.5	−0.6	59	10	−16	28	36	4.07	+0.60	1.50	20.0	11	14	2	15	nw.	Braun Bros.
Indian Mills‡‡	Burlington	76	46	31.4	−0.7	65	8	−9	25†	38	5.31	+1.34	1.23	20.0	10	9	9	13	nw.	James M. Armstrong.
Lakewood	Ocean	54	31	30.8	−0.7	59	10	−15	25	34	5.60	+1.60	1.65	21.5	10	11	5	15	nw.	R. W. Holman.
Moorestown	Burlington	62	72	29.3	−1.6	60	8†	−9	28	31	3.52	+0.18	1.20	19.0	10	12	5	14	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	5.58	+2.44	2.31	4.5	10	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	30.3	......	62	8†	−16	28	35	3.98	......	1.56	14.2	10	15	2	14	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	30.2	......	60	10	−4	29	37	5.20	+3.00	1.29	......	10	15	4	12	nw.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	28.7	......	56	9†	−26	28	52	3.76	+0.30	1.85	......	7	16	4	11	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	29.0	−1.5	58	9	−2	28	28	3.27	−0.04	0.93	15.5	13	10	6	15	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	4.10	......	1.26	21.3	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	31.5	−1.4	60	9	−2	28	24	4.94	+1.27	1.72	8.0	10	16	3	12	nw.	John H. Brown.
Philadelphia, Pa	......	114	64	31.0	−1.6	61	8	3	28	25	4.21	+0.91	1.46	21.5	12	8	7	16	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	30.0	−1.6	65	8	−26	28	52	4.49	+1.25	2.31	16.6	10	13	5	13	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	32.3	−0.2	58	10	1	28	29	5.04	+1.55	2.22	4.2	11	8	7	16	nw.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	28.8	−2.7	60	10	−7	28	30	5.54	+1.40	1.30	21.7	13	12	4	15	nw.	William D. Martin.
Sandy Hook	Monmouth	22	37	29.6	−1.7	55	10	5	28	20	3.53	−0.43	1.32	18.3	13	13	3	15	nw.	U. S. Weather Bureau
Means and extremes	......	......	....	30.2	−1.5	60	10	−7	28	30	4.70	+0.84	2.22	14.7	12	11	5	15	nw.	
For the State	......	......	....	28.2	−2.7	65	8	−26	28	52	4.00	+0.43	2.31	15.8	11	13	5	13	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

1935-42

Daily Precipitation for January, 1935

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.97							.05	.10	.93			.02				.42			.43	.09	.31	.25	.30								3.87
Charlotteburg	Passaic	1.10							.10	.04	1.23			.02	.04			.36			.32		.21	.20	.92		.02						4.56
Culvers Lake	Delaware	1.09								.05	1.00			.05		.02		.48			.31	.10	.15	.10			T.			T.			3.35
Dover	Passaic	.97						.02	.02	.28	.38		T.	.05		T.		.32			*	.50	*	.56			.05			.05			3.20
Layton	Delaware	.86								.05	1.45			*	.08	T.		.12			.25	.10	.15	*	.40		T.						3.46
Long Valley	Morris	.78							.03	.14	.46			T.		T.		.30			.18		.20	.40	.40								2.89
Newton	Delaware																																
Phillipsburg	do	.83					T.		.09	.49	.22	T.		T		T.		.44		T.	.49	.09	.40	.68	.05	T.	T.			T.			3.78
Sussex	Hudson	.98						.06		*	1.90			T.		T.		.31			.25	.31	.05	.11	.50		.05			.05			4.57
The Red Sandstone Plain.																																	
Boonton ||||	Passaic	.90	.03					T.		T.	.30		T.		.01		T.	.16	.10		.03	.27	.16	.14	.26		T.			.01			2.37
Canoe Brook ||||	Essex	.66									.20			T.	T.		T.	.46	.04		.23	.22	.31	.25	.80		.05			T			3.22
Chatham ||	do	.87	.15					.07	.01	.02	.15	T.		T.	.04		.02	.33	.16		.07	.44	.23	.42	1.18		.09			.05			4.30
Elizabeth	Coast	.96					T	.02	.03	.04	.21		T.	T.	T.	T.		.50			.41	.06	.38	.90	.20		.04			T.			3.75
Flemington	Raritan	.81					.01	.03	.02	.04	.06		T	.02		T.		.35			.38	.07	.66	.40	.11		.02			T.			2.98
Jersey City	Coast	1.01					T.	T.	.01	.01	.12		T.	.03		T.		.45			.40	.05	.53	1.25	.22		.03			T.			4.11
Lambertville	Delaware	.79								.08				.04	.04	.03		.30			.46		.52	.79	.20		T.						3.25
Little Falls. ||||	Passaic	1.42						.02	.01	.01	.15	.01			.04		.01	.31	.08		.06	.30	.25	.12	.63		.02			.01			3.45
New Brunswick	Raritan	.75						T.	T.	.02	.11			.01	.01	T.		.31			.35	.06	.42	.73	.20		.02			T.			2.99
New Milford ||||	Hackensack	1.00	.15					.02		.04	.21				.10			.15	.25			.40	.18	.25	1.30		.06				.02		4.13
Paterson	Passaic	1.25							.05	.08	.14			.08		T.		.30			.30	.09	T.	.43	.06		.04						2.82
Plainfield	Raritan	1.03								.10				.05		.01		.38			.40	.04	.54	*	1.06		.05			.01			3.67
Ridgefield**	Hackensack	1.08					T.	T.	.03	.02	.19	T.		.04	.01	.01		.49			.35	.20	.57	1.00	.21	T	.05			.03			4.28
Somerville	Raritan	.95									.16			T.	.02	T.		.39			.35	.05	.50	.40	.17		T		T				2.99
Woodcliff Lake ||||	Hackensack	.55	.53						.01	.01	.18				.09			.14	.18		.02	.29	.16	.17	.98		.06						3.37
New York, N. Y***	Coast	.98					T.	T.	T.	.02	.12		T.	.03		T.		.43			.41	.05	.52	1.39	.10		.03			T.			4.08
The Southern Interior.																																	
Belleplain	Tuckahoe																																5.39
Bridgeton	Delaware								.07	.90				.06			.41			.20	.55	.22	1.46	1.34									5.21
Burlington	Delaware	.79						.02	.03	.04	.08					T.		.37			.40	.15	.67	1.10	.30	T.							3.95
Camden**	do	.51								T.	T.			T.		T.		.42		T.	.70	.03	.82	.50	.05								3.03
Freehold	Raritan	.75						T.	T.	T.	.23			.04				.42			.41	.06	.40	*	1.12								3.43
Hammonton	Mullica								.03	.81				.06		T.	.46	1.00		.09	.75	.24	1.07	1.47									5.98
Hightstown	Raritan	1.50						.02		.03	.11		T.	T.	.01	T.		.06			.44	.15	.25	1.00	.50		T.			T.			4.07
Indian Mills	Mullica	.86						.04		.06	.60							.60			.82	.30	.30	1.23	.50								5.31
Lakewood	Metedeconk	.72						T		.15	1.20			T.	.03	T.	T.	.50			.52	.13	.40	1.65	.30		T.			T.			5.60
Moorestown ||||	Delaware	.01						.04	.02	.10						T.		.30		.10	.56	24	.95	1.20			T.			T.			3.52
Northfield	Coast	.69								.14	.40					.05		.51			.90	.17	.31	2.31	.10								5.58
Pemberton	Delaware	.61								.05	.16				.01	T.		.30			.45	.13	.45	1.56	.26					T.			3.98
Pleasantville ||||	Coast	.80							T.		.58				.06		T.	.20	.40		.15	.48	.15	1.29	1.09								5.20
Port Norris	Maurice																																
Runyon	Coast	.79									.14							.34			.37	.08	.19	1.85									3.76
Trenton***	Delaware	.67					T.	.01	.01	.07	.05	T.	T.	.01		T.		.31		.01	.51	.02	.67	.84	.09	T.	T.			T.			3.27
Trenton No. 2 ||||	do	.74	.12					.01			.13		T.	T.	T.		T.	.26	.13		.04	.54	.15	.72	1.26		T.			T.	T.		4.10
Tuckerton	Coast	.67								.08	.31			.04	.08			.26			.83	.11	.84	1.72									4.94
Phila., Pa***	Delaware	.71						.01	T.	.06	.02			.01		T.	T.	.41		.03	.66	.03	.80	1.45	.02		T.			T.			4.21
The Sea Coast.																																	
Atlantic City***	Coast	.52						.01		.22	.07			.06		T.		.47			.95	.01	.92	1.77	.04		T		T.	T.			5.04
Long Branch**	do	.79						.02	T.	.55	1.05		T.	.05		T.		.32			.38	.06	.63	1.30	.36		.01			.02			5.54
Sandy Hook***	do	.79						.01	T.	.18	.07		T.	.03		T.		.33			.23	.04	.50	1.26	.06		.02			.01			3.53

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.19	30.79	5	29.55	10	16.3	43	ne.	23	76	68	73	44
Long Branch	30.19	30.81	5	29.51	10					70	60	66	48
New York, N. Y	30.18	30.80	5	29.47	1	17.0	63	nw.	2	68	61	61	45
Philadelphia, Pa	30.19	30.79	5	29.56	10	13.0	43	nw.	14	67	59	62	49
Ridgefield	30.18	30.81	5	29.47	1								
Sandy Hook	30.16	30.78	5	29.49	1	15.7	44	nw.	14	77	73	72	49
Trenton	30.19	30.79	5	29.53	10	9.8	38	nw.	14	73	63	68	49

Daily Temperatures for January, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	38	35	43	41	31	40	45	48	51	49	49	35	30	38	29	32	37	38	28	34	38	38	29	23	22	30	25	29	29	21	21	34.7
	Minimum	25	22	19	12	5	26	35	37	39	44	31	20	17	21	14	21	25	26	25	20	33	27	20	4	−2	14	0	−8	17	2	−3	19.0
Charlotteburg	Maximum	38	32	48	56	46	47	50	49	58	56	57	43	25	46	40	30	37	39	32	36	39	42	39	28	20	28	28	22	31	32	27	38.7
	Minimum	18	16	24	9	2	24	34	38	39	10	32	22	13	14	10	9	19	25	6	11	32	26	17	8	−4	11	−3	−14	12	−2	−6	14.6
Dover	Maximum	48	32	48	....	34	46	49	51	57	55	46	36	26	35	26	30	37	36	....	35	35	41	29	9	....	28	....	27	32	....	20	36.5^{f}
	Minimum	20	20	20	9	4	29	37	37	40	39	29	16	16	16	11	18	20	17	11	17	32	25	23	1	−3	13	1	−6	16	1	−3	17.0
Layton	Maximum	38	35	45	45	30	43	45	41	50	55	47	32	25	35	27	30	37	37	22	30	36	37	25	20	26	29	16	15	33	20	23	32.1
	Minimum	20	18	10	4	−15	10	33	33	35	40	27	18	13	16	2	16	15	17	7	15	30	25	18	0	−18	12	−5	−20	14	−5	−7	12.2
Long Valley	Maximum	37	37	41	42	40	43	50	50	54	54	49	35	27	36	27	28	36	....	37	36	36	40	27	19	20	28	19	19	29	29	19	34.8^{a}
	Minimum	23	20	21	10	4	29	34	36	38	41	31	22	16	20	9	19	21	....	12	18	31	25	17	−3	5	11	−1	−4	13	−1	0	17.2^{a}
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Phillipsburg	Maximum	38	34	48	40	35	40	46	50	51	51	45	35	33	38	30	31	38	37	25	34	37	39	29	22	21	30	19	20	34	19	18	34.4
	Minimum	26	22	20	14	10	32	35	37	40	44	31	24	20	20	17	23	26	22	17	21	33	27	21	6	−3	14	1	−3	16	5	1	20.0
Sussex	Maximum	40	35	44	44	35	41	45	47	57	52	50	46	26	34	27	31	34	35	24	31	35	39	30	21	22	28	25	21	32	29	17	34.7
	Minimum	21	19	20	8	−3	18	34	35	41	34	30	21	15	17	8	18	17	23	7	14	29	28	19	3	−11	13	−2	−12	14	−2	−4	15.4
The Red Sandstone Plain.																																	
Boonton§§	Maximum	46	32	49	27	32	37	39	41	44	42	44	35	28	21	28	26	31	27	31	34	36	34	36	23	16	4	17	19	5	20	5	30.5
	Minimum	11	22	23	11	6	6	32	37	38	40	32	24	15	20	13	13	22	25	9	11	25	33	22	7	−6	−4	3	−11	−6	3	−2	15.3
Canoe Brook§§	Maximum	41	39	50	39	38	47	48	51	55	53	51	40	36	26	29	35	37	36	32	35	37	35	33	15	21	31	21	22	35	22	20	35.8
	Minimum	20	21	18	11	3	16	34	36	37	42	28	22	14	19	8	15	21	27	8	15	25	32	21	6	−18	10	3	−25	6	−5	−10	14.8
Elizabeth	Maximum	39	50	48	45	36	45	54	50	54	55	52	43	35	34	35	30	36	36	30	38	37	39	29	22	16	29	29	19	31	31	17	36.9
	Minimum	26	23	24	13	11	32	44	40	41	41	31	22	19	22	12	22	...	....	24	15	35	28	21	9	−6	11	−4	−9	17	5	2	19.7^{b}
Flemington	Maximum	41	37	51	44	40	44	48	49	54	51	50	37	30	37	30	31	42	39	32	36	36	38	27	22	24	35	30	22	39	30	27	37.2
	Minimum	25	22	20	14	7	27	31	38	38	43	34	24	20	23	14	19	26	28	14	21	33	27	20	5	−7	10	2	−12	14	3	−6	18.6
Jersey City	Maximum	43	34	51	36	40	50	52	53	58	58	48	35	36	37	32	32	43	38	27	44	44	42	28	19	21	33	18	24	35	19	18	36.3
	Minimum	26	24	31	14	13	35	44	44	45	46	34	24	19	20	15	24	28	24	14	25	36	27	19	6	4	16	3	−1	18	5	2	22.1
Lambertville	Maximum	40	34	50	43	35	46	48	52	55	52	43	34	32	32	34	37	32	30	29	37	37	37	24	19	18	32	25	21	33	25	20	35.0
	Minimum	28	20	26	13	6	30	38	41	40	40	32	24	18	14	22	20	20	24	14	20	33	24	19	4	−5	9	2	−9	16	2	−4	18.7
Little Falls§§	Maximum	42	38	51	34	43	46	49	50	55	56	54	40	36	27	28	34	38	37	32	35	40	35	34	24	25	31	21	21	36	21	20	36.5
	Minimum	18	22	22	12	7	13	34	37	39	43	32	25	17	22	13	17	23	29	10	13	25	33	22	7	−6	6	3	−13	1	3	−2	17.0
New Brunswick	Maximum	43	36	50	45	40	49	49	51	54	57	53	37	34	38	29	32	39	36	30	40	39	39	27	21	18	30	29	23	33	30	18	37.1
	Minimum	26	23	25	14	9	31	38	39	42	45	35	23	19	23	13	20	26	30	14	22	33	27	20	7	−6	9	5	−14	16	5	−2	19.9
Paterson	Maximum	41	40	50	....	46	46	47	48	53	54	50	32	27	36	28	31	36	35	25	37	38	42	29	20	23	31	24	20	35	26	19	35.6^{a}
	Minimum	25	22	25	....	8	28	38	40	41	45	31	23	17	20	13	19	22	25	10	18	34	28	20	8	−5	15	0	−12	18	2	−1	19.2^{a}
Plainfield	Maximum	41	34	52	40	40	48	50	51	57	54	50	35	33	37	30	34	39	37	26	40	41	41	27	19	21	33	23	21	36	20	20	36.5
	Minimum	25	23	25	14	11	32	41	38	42	50	34	24	19	20	13	21	26	24	14	22	37	27	19	7	−4	16	5	−8	18	5	0	20.6
Ridgefield	Maximum	35	32	50	34	36	47	46	50	55	54	41	31	37	36	28	30	37	34	22	39	36	38	25	18	20	31	14	26	34	18	15	33.8
	Minimum	22	23	27	12	9	33	39	41	43	31	30	19	18	29	13	21	31	26	11	18	34	25	18	−2	−2	14	−4	−8	14	2	−1	18.6
Somerville	Maximum	41	36	52	45	38	45	50	52	57	52	50	37	33	38	29	32	38	38	30	38	38	37	27	21	19	31	28	18	34	24	21	36.4
	Minimum	25	23	20	14	6	28	36	38	40	45	32	26	18	22	12	18	25	29	13	21	33	26	20	6	−10	12	4	−12	14	2	−6	18.7
New York, N. Y	Maximum	45	34	50	34	40	50	52	54	58	58	46	35	37	36	32	31	43	38	27	45	45	43	28	17	20	33	16	26	34	18	16	36.8
	Minimum	26	22	31	13	14	36	45	46	46	46	33	21	19	30	15	24	28	19	13	26	35	26	17	6	5	16	3	0	15	4	2	21.7
The Southern Interior.																																	
Belleplain	Maximum	51	39	52	47	45	57	60	67	64	61	57	41	41	42	33	38	43	41	35	50	57	56	....	....	....	....	....	....	....	....	....	......
	Minimum	28	22	29	17	22	22	43	40	41	53	34	20	19	29	15	23	27	30	20	23	36	32	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	42	40	52	28	50	57	59	61	61	53	45	43	41	38	33	36	39	35	40	45	58	39	26	11	23	29	12	23	35	19	22	38.5
	Minimum	21	26	18	11	18	40	44	40	49	36	25	22	28	17	25	27	29	20	22	34	36	23	7	−2	9	8	−6	−5	8	4	−1	20.4
Burlington	Maximum	43	38	51	44	40	49	51	60	55	59	57	41	38	50	31	33	39	42	38	45	47	50	30	24	24	34	31	27	35	32	20	40.5
	Minimum	27	23	27	17	21	31	37	39	40	49	38	26	22	28	17	23	28	28	18	25	34	18	22	7	8	15	7	−10	18	7	−3	22.3
Camden	Maximum	42	37	51	35	44	51	53	60	58	57	46	37	39	40	32	34	38	37	26	42	42	41	26	16	21	31	18	22	33	16	18	36.9
	Minimum	27	24	30	17	12	31	39	43	44	47	36	24	22	24	20	26	25	24	19	22	35	26	20	4	3	17	3	−7	17	8	2	22.1
Freehold	Maximum	47	37	50	42	41	56	52	54	57	59	53	36	37	37	29	31	40	36	30	45	43	41	27	23	18	31	28	23	32	27	17	38.0
	Minimum	27	23	28	15	10	29	40	40	39	50	35	26	21	23	15	20	22	27	16	22	34	27	25	6	−4	7	6	−14	16	4	−2	20.4
Hammonton	Maximum	40	37	52	26	44	58	58	64	60	59	46	37	40	38	33	36	40	37	38	48	57	42	24	14	22	32	15	28	35	19	22	38.7
	Minimum	23	24	17	13	17	33	44	41	46	39	25	22	24	19	22	25	29	19	20	36	38	24	8	−4	3	12	−5	−3	8	2	0	20.0
Hightstown	Maximum	45	40	51	50	42	49	49	56	58	59	54	35	37	39	29	32	38	36	30	43	42	39	28	22	20	31	29	20	33	27	18	38.1
	Minimum	27	23	29	15	10	30	38	39	41	53	34	24	20	27	16	23	28	29	16	23	34	28	20	6	−2	10	4	−16	17	4	−2	20.9
Indian Mills	Maximum	47	40	54	46	44	59	56	65	60	61	58	40	39	39	34	34	40	36	35	48	48	48	30	28	23	33	29	26	34	31	25	41.6
	Minimum	28	22	25	17	6	27	41	43	40	55	34	24	22	29	16	24	28	28	19	24	35	27	21	8	−9	−1	9	−9	19	8	−2	21.2
Lakewood	Maximum	47	38	54	46	41	56	57	57	57	59	57	38	37	38	32	32	43	38	32	48	49	43	29	25	19	32	31	25	33	30	17	40.0
	Minimum	28	23	32	15	10	28	42	45	39	50	38	25	22	25	16	23	28	32	17	24	36	29	23	7	−15	7	7	−8	19	5	−1	21.7
Moorestown	Maximum	45	37	51	25	43	49	53	60	60	56	46	38	39	36	32	33	38	38	26	44	42	38	27	21	19	27	20	21	35	32	17	37.0
	Minimum	28	24	32	17	12	31	38	41	43	46	35	24	23	24	18	23	30	26	19	23	36	27	21	4	0	10	0	−9	16	7	0	21.6
Pemberton	Maximum	46	36	55	45	45	55	53	62	62	59	54	38	40	40	31	31	39	37	31	47	46	43	28	22	14	31	25	18	32	28	12	38.9
	Minimum	28	23	30	17	10	30	40	42	42	53	33	26	22	26	18	25	28	30	19	24	35	28	22	7	−12	8	8	−16	16	7	1	21.7
Pleasantville§§	Maximum	49	48	53	34	45	55	55	53	57	60	52	40	42	39	35	38	45	38	40	48	50	43	33	13	23	30	15	28	33	18	22	39.8
	Minimum	15	22	23	18	9	20	42	39	40	46	34	24	18	25	15	19	25	29	19	20	37	38	28	10	8	3	12	−5	−4	7	−2	20.5
Runyon	Maximum	42	36	51	45	40	52	48	52	56	56	54	42	38	38	30	34	40	38	34	39	44	38	32	20	24	31	28	26	32	32	26	38.6
	Minimum	36	18	30	14	0	25	42	42	44	48	38	26	13	24	13	18	23	26	14	22	38	32	20	8	−21	8	6	−26	16	−5	−8	18.8
Trenton	Maximum	44	37	50	37	41	52	50	58	58	57	44	35	37	39	31	33	39	35	25	43	42	40	26	19	21	32	17	21	34	18	20	36.6
	Minimum	27	23	28	15	13	33	40	44	43	44	32	22	20	22	18	24	27	22	17	22	34	26	19	6	3	14	2	−2	16	6	1	21.3
Tuckerton	Maximum	42	40	38	33	42	46	55	58	60	58	51	48	48	42	39	40	40	38	32	40	48	42	33	14	20	32	32	22	25	25	23	38.9
	Minimum	34	20	20	20	27	38	40	40	40	46	42	26	30	20	22	26	30	26	20	28	32	32	28	6	2	10	16	−2	12	8	8	24.1
Philadelphia, Pa	Maximum	44	38	51	37	40	51	53	61	60	57	50	38	38	41	34	36	41	41	28	46	43	43	29	17	20	31	20	21	35	21	21	38.3
	Minimum	25	23	32	18	15	34	42	46	46	50	37	25	23	25	21	28	28	25	21	23	36	28	17	7	4	8	5	3	18	9	7	23.8
The Sea Coast.																																	
Atlantic City	Maximum	47	39	48	43	45	49	51	48	54	58	51	39	42	41	37	36	46	38	32	46	51	52	33	22	22	30	24	30	35	21	22	39.7
	Minimum	27	24	36	19	19	42	39	41	41	46	36	26	24	25	21	27	34	27	22	32	38	30	22	7	4	22	6	1	20	8	6	24.9
Long Branch	Maximum	48	34	53	40	38	56	50	49	54	60	45	34	38	38	28	31	43	36	29	44	42	41	28	19	18	30	20	23	31	17	19	36.6
	Minimum	29	25	30	14	12	31	44	41	41	45	31	21	21	20	15	22	33	22	18	26	35	27	19	−1	−4	15	−1	−7	16	6	4	21.0
Sandy Hook	Maximum	45	36	49	35	37	48	47	48	52	55	43	34	38	39	32	32	43	37	27	43	42	39	28	21	19	31	19	24	33	19	18	35.9
	Minimum	28	26	32	16	17	33	41	41	41	43	34	24	23	22	17	26	32	22	18	27	35	28	21	7	6	17	6	5	19	9	8	23.4

^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

1.05
NJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.

TRENTON, N. J.

VOL. XL. FEBRUARY, 1935. No. 2.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

While the temperature average for the month was nearly normal the range was considerable, amounting to about sixty degrees at most stations. It was thirteen degrees warmer, on the average, than February of last year with its record-breaking average of 18.6 degrees for the State. The coldest days were on the 1st, 5th, 6th, 27th and 28th, with the lowest temperatures for the month recorded quite generally on the 1st. Most of these were below zero from one to thirty-one degrees, except for a few stations in the extreme southern portion and along the coast. The highest temperatures were in the 50's and 60's and were registered in nearly all cases on the 25th.

Precipitation was below the normal, the percentages of normal amount being as follows: The Highlands and Red Sandstone Plain, 75%; Southern Interior, 90%; Sea Coast, 88%; State, 78%. Snow occurred on the 5th, 10th, 22d, 26th and 27th, with the total for the month ranging between three and ten inches at 85% of the stations. The ground was covered during the first half of the month over the entire State and during the greater part of the second half over the more northern portions. Heavy rains on the 14th constituted about a third of the total precipitation for the month.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 37 stations, was 30.1°, which was 0.6° below normal. The highest temperature was 64° at Indian Mills on the 25th, and the lowest, —31°, at Runyon on the 1st. The greatest daily range of temperature was 58° at Canoe Brook on the 7th. The highest monthly mean temperature was 35.2° at Tuckerton, and the lowest, 23.8° at Boonton.

The temperature departure from the normal for the year. 1935, to date, by sections, is: The Highlands, —0.1°; Red Sandstone Plain, —1.4°; Southern Interior, —1.2°; Sea Coast, —1.0°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 43 stations, was 2.80 inches, which was 0.81 inch below normal. The average total snowfall at 20 selected stations was 6.8 inches, which was 2.0 inches below normal. The greatest monthly precipitation was 4.01 inches at Camden, and the least, 1.74 inches at Long Valley. The greatest amount of precipitation in any 24 consecutive hours was 1.95 inches at Long Branch on the 14th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 9. or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands. +0.37 inch; Red Sandstone Plain, —0.98 inch; Southern Interior, +0.93 inch; Sea Coast, +0.38 inch.

WIND.

The prevailing wind direction was from the West. The wind movement averaged 14 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 45 miles per hour from the southeast at Atlantic City on the 14th.

MISCELLANEOUS.

The per cent of possible sunshine was 51, or 5 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.06 inches, or 0.03 inch below the normal. The highest reading was 30.79 inches at Ridgefield and Trenton on the 1st, and the lowest 29.47 inches at Long Branch, Ridgefield and Sandy Hook on the 3d.

The mean stage of the Delaware River at Phillipsburg was 2.5 feet, and the highest 4.0 feet on the 16th. At Trenton the mean stage was 4.0 feet, and the highest 6.2 feet on the 17th.

Sleet was observed in most sections of the State on the 26th, it was also noted at scattered places on the 9th, 10th, 14th, 22d, 23d, 24th and 27th. Dense fog was reported at one or more stations on the following dates: 8, 9, 14, 15, 16, 17, 23, 26.

ERRATA.

December 1934. Elizabeth, minimum temperature on the 14th should be 23°; mean minimum temperature should be 25.6°; mean temperature should be 33.6°; departure from normal should be 0.0°. Burlington, 0.40 precipitation published on the 25th should be on the 26th. Trenton snowfall should be a trace. Philadelphia, Pa., total snowfall should be a trace. Southern Interior section, mean snowfall should be a trace.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	−6.8	54	−2	3.93	+0.32	5.85	1.44	......	....	....	....	....
1886	28.9	−1.8	64	−10	5.42	+1.81	8.00	4.13	......	....	....	....	....
1887	33.9	+3.2	69	6	5.24	+1.63	6.74	4.13	......	13	....	....	....
1888	30.6	−0.1	60	−5	3.53	−0.08	6.01	2.04	......	8	....	....	....
1889	27.7	−3.0	53	−3	2.49	−1.12	3.80	1.65	......	8	....	....	...
1890	**39.9**	+9.2	76	14	4.17	+0.56	5.32	2.43	......	10	....	....	....
1891	38.0	+7.3	71	1	5.11	+1.50	7.20	3.70	......	14	6	9	13
1892	33.6	+2.9	58	7	1.63	−1.98	3.62	0.67	......	7	7	9	13
1893	30.1	−0.6	63	−1	5.73	+2.12	8.90	3.14	......	11	7	8	13
1894	29.7	−1.0	62	−11	4.42	+0.81	6.17	3.25	......	11	9	8	11
1895	23.6	−7.1	57	−12	1.28	−2.33	2.34	**0.55**	11.6	5	13	9	6
1896	32.1	+1.4	62	−12	**6.77**	+3.16	**10.06**	4.82	6.7	12	9	9	11
1897	32.5	+1.8	59	−6	3.61	0.00	6.37	2.38	8.0	8	8	10	10
1898	32.7	+2.0	65	−15	3.48	−0.13	5.45	1.55	2.0	9	12	7	9
1899	25.8	−4.9	60	−17	6.06	+2.45	8.77	3.78	**31.3**	15	10	6	12
1900	31.0	+0.3	69	−6	5.30	+1.69	7.88	3.27	9.6	10	9	9	10
1901	25.4	−5.3	52	−6	**0.94**	−2.67	1.65	0.69	4.9	4	15	9	4
1902	27.4	−3.3	62	−7	6.24	+2.63	8.44	4.29	16.5	9	12	6	10
1903	33.7	+3.0	70	−16	4.87	+1.26	6.60	3.74	6.7	10	12	8	8
1904	24.8	−5.9	65	−16	2.45	−1.16	3.09	1.36	5.6	8	13	8	8
1905	**23.4**	−7.3	53	−18	2.53	−1.08	3.96	0.70	7.3	7	14	7	7
1906	30.9	+0.2	64	−12	2.58	−0.03	3.85	1.77	5.4	7	14	7	7
1907	23.6	−7.1	55	−22	2.67	−0.94	3.90	1.82	20.8	8	14	7	7
1908	28.1	−2.6	65	−17	4.79	+1.18	7.44	2.85	11.9	9	10	10	9
1909	37.8	+7.1	72	−2	4.96	+1.35	6.78	3.55	2.3	12	6	10	12
1910	30.5	−0.2	69	−11	3.08	−0.53	4.81	1.06	6.2	10	10	9	9
1911	30.9	+0.2	67	−12	2.78	−0.83	4.06	1.76	11.2	11	8	7	13
1912	27.7	−3.0	61	−14	2.49	−1.12	3.12	1.68	2.8	5	11	12	6
1913	30.6	−0.1	70	−5	2.49	−1.12	3.21	1.48	3.5	7	16	6	6
1914	25.9	−4.8	67	−12	2.85	−0.76	4.94	1.89	15.1	9	12	7	9
1915	35.7	+5.0	75	−7	5.37	+1.76	7.28	2.97	3.5	8	11	6	11
1916	28.1	−2.6	63	−18	4.21	+0.60	6.17	2.84	11.4	11	10	6	13
1917	28.1	−2.6	62	−19	1.95	−1.66	2.80	0.92	8.3	11	10	9	9
1918	29.0	−1.7	67	−23	2.08	−0.53	3.41	1.03	2.6	7	12	8	8
1919	33.6	+2.9	65	4	3.39	−0.22	6.48	1.37	1.2	10	15	4	9
1920	27.9	−2.8	54	−17	4.20	+0.59	7.20	2.39	20.0	11	11	8	10
1921	34.0	+3.3	71	−5	3.81	+0.20	5.82	2.58	13.6	10	10	8	10
1922	33.6	+2.9	73	−10	2.94	−0.67	4.60	1 80	8.5	10	10	8	10
1923	26.1	−4.6	56	−12	2.58	−1.03	3.74	1.51	13.8	12	10	8	10
1924	28.9	−1.8	62	−3	4.10	+0.49	6.11	2.45	11.9	9	13	5	11
1925	37.3	+6.6	72	−1	2.23	−1.38	4.64	1.18	**0.7**	7	12	6	10
1926	29.4	−1.3	57	−11	4.54	+0.93	6.30	2.86	21.2	11	9	5	14
1927	36.1	+5.4	66	4	3.12	−0.49	4.55	2.18	5.1	11	10	8	10
1928	32.1	+1.4	63	−6	4.05	+0.44	5.63	2.17	4.4	10	12	7	10
1929	31.6	+0.9	63	−9	4.06	+0.45	5.92	2.76	9.2	8	13	7	8
1930	35.6	+4.9	**80**	−10	2.80	−0.81	5.13	1.07	4.2	9	13	7	8
1931	33.3	+2.6	62	−9	2.18	−1.43	3.42	0.81	3.0	8	14	5	9
1932	35.9	+5.2	69	4	2.16	−1.45	3.23	1.08	2.2	9	11	6	12
1933	33.5	+2.8	67	−12	3.33	−0.28	4.72	2.20	10.4	10	12	6	10
1934	18.6	−12.1	54	−26	2.77	−0.84	4.83	0.94	22.7	8	15	6	7
1935	30.1	−0.6	64	**−31**	2.80	−0.81	4.01	1.74	6.8	9	12	7	9
Period	30.7	....	80	−31	3.61	....	10.06	0.55	8.8	9	11	7	10

W. B. O. Philadelphia-4-3-35-875

Climatological Data for February, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	28.8	+0.9	57	25	−7	7	41	2.56	−1.00	0.60	8.2	9	16	3	9	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	28.4	+2.0	53	25	−15	7	49	2.77	−0.92	0.85	14.5	10	10	5	13	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	.....	−13	1	....	2.10	−0.86	0.53	10.1	9	13	7	8	e.	Brice E. Riker.
Dover	Morris	600	51	27.5	+0.6	54	25	−7	1†	39	2.64	−1.13	0.80	9.0	9	5	14	9	......	William C. Harris
Layton	Sussex	480	34	25.4	+0.3	50	25	−22	1	55	1.76	−1.23	0.63	10.5	9	7	6	15	ne.	A. M. Depue.
Long Valley	Morris	520	5	27.3	....	52	25	−14	7	48	1.74	....	0.49	7.3	6	4	13	11	w.	S. N .Dilts.
Newton	Sussex	769	52	......	....	......	.....	......	......	....	2.16	−0.99	0.51	......	10	....	....	....	......	Irving J. Kern.
Phillipsburg	Warren	363	§52	28.9	+0.1	54	25	−4	7	33	2.94	−0.37	0.87	7.1	10	13	7	8	......	Town Engineer.
Sussex	Sussex	442	40	27.8	+1.3	55	25	−15	7	51	3.02	+0.06	0.68	14.0	9	14	6	8	......	A. J. W. Mowatt
Means and extremes	......	......	....	27.7	+0.9	57	25	−22	1	51	2.41	−0.80	0.87	10.1	9	10	8	10	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	23.8	−3.9	42	25†	−7	1	38	2.06	−1.24	1.05	......	8	11	3	14	sw.	John Kline.
Canoe Brook	Essex	173	5	27.4	....	56	25	−21	1	58	2.60	....	1.14	......	7	10	8	10	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	......	....	......	......	....	...	....	....	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	30.0	−1.0	62	26	−4	1	34	2.93	−0.93	1.00	7.6	12	16	3	9	w.	Union County Park Comm.
Flemington	Hunterdon	140	§49	29.8	−0.1	58	25	−14	7	53	2.88	−0.44	0.84	7.0	10	17	3	8	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	32.0	+0.5	59	25	3	1	26	3.10	−0.83	0.69	8.2	10	6	12	10	n.	S. K. Pearson.
Lambertville	Hunterdon	430	48	29.7	−0.9	56	25	−5	1	35	2.55	−0.83	0.59	8.5	12	13	8	7	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	30.2	+0.9	59	25	−8	1	43	2.66	−1.14	1.16	4.5	8	12	6	10	nw.	Passaic Valley Water Co
New Brunswick	Middlesex	110	82	30.0	−1.0	60	25	−7	1†	40	2.83	−0.54	0.90	8.0	11	14	5	9	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	....	......	......	......	......	....	2.79	−0.40	1.18	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	30.3^b	−0.3	57	25	......	......	....	2.33	−1.65	1.13	5.0	8	13	4	11	w.	William H. Meyer.
Plainfield	Union	120	47	30.6	+1.3	60	25	−1	1†	36	2.43	−1.32	0.97	8.5	9	8	12	8	n.	S. K .Pearson.
Ridgefield	Bergen	80	18	29.1	+0.3	60	25	−3	1	31	2.93	−0.97	1.25	8.5	11	6	12	10	nw.	George P. Kirsten.
Somerville	Somerset	70	52	29.0	−0.4	59	25	−9	1	40	2.44	−1.01	0.93	6.3	9	13	6	9	sw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	....	......	......	......	......	....	2.72	−0.60	1.02	.....	8	..	....	....	......	Hackensack Water Co.
New York, N. Y	......	314	65	31.6	+0.3	57	25	5	1	33	3.01	−0.81	1.23	5.2	9	4	14	10	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	29.3	−0.4	62	26	−21	1†	58	2.66	−0.92	1.25	7.2	10	12	7	9	w.	
The Southern Interior.																				
Belleplain	Cape May	30	41	34.2^c	+1.7	63	25	6^c	7	32	2.96	−0.37	1.52	4.5	7	9	7	12	nw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	31.8	−2.3	63	25	7	6	36	2.46	−0.76	0.70	8.0	8	20	2	6	ne.	Bennett K. Matlack
Burlington	Burlington	12	§49	31.9	+0.4	62	25	−2	7	34	2.66	+0.66	0.75	4.1	11	15	5	8	nw.	Public Service G. & E. Co.
Camden	Camden	20	3	31.1	....	55	16†	0	1	36	4.01	....	1.70	7.0	9	4	9	15	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	30.0	....	59	25	−8	1	35	3.41	−0.73	1.05	11.0	9	13	7	8	w.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	30.9	....	54	25†	5	6	38	3.75	+0.51	1.53	4.4	9	15	6	7	nw.	Geo. W. Lobley.
Hightstown	Mercer	110	42	30.2	−0.1	61	25	−8	1	40	2.97	−0.42	......	3.5	9	11	6	11	nw.	Braun Bros.
Indian Mills‡‡	Burlington	76	46	32.8	+0.3	64	25	2	7	43	2.96	−0.71	1.20	3.0	9	13	8	7	nw.	James M. Armstrong.
Lakewood	Ocean	54	31	31.0	0.0	60	25	−6	7	37	2.99	−0.90	1.05	6.0	9	11	4	13	nw.	R. W. Holman.
Moorestown	Burlington	62	72	30.6	−1.2	62	25	−5	1	34	2.85	−0.40	1.10	5.3	10	9	8	11	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	....	......	......	......	......	....	2.97	+0.13	0.85	4.4	7	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	31.6	....	63	25	−7	1	34	2.60	....	0.72	6.5	10	14	5	9	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	32.3	....	57	16	−1	1	31	2.89	−0.01	1.06	......	8	19	4	5	nw.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	....	......	......	......	......	....	......	....	......	......	....	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	28.4	....	60	25	−31	1	57	3.11	−0.38	1.36	......	8	15	5	8	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	30.6	−0.1	60	25	2	1	36	2.81	−0.46	1.08	9.7	9	5	13	10	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	....	......	......	......	......	....	3.18	....	1.13	11.2	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	35.2	+2.8	55	25	7	1	31	2.91	−0.58	1.38	0.4	11	13	4	11	n.	John H. Brown.
Philadelphia, Pa	......	114	64	33.0	−0.9	60	25	8	1	36	3.12	−0.20	1.26	5.9	9	5	11	12	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	31.5	+0.2	64	25	−31	1	57	3.03	−0.32	1.70	5.9	9	12	6	10	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	34.2	+0.6	57	16	7	1	23	3.08	−0.28	0.93	2.8	8	5	11	12	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	30.0	−1.2	55	26	−4	1	33	3.91	−0.22	1.95	11.6	12	6	13	9	nw.	William D. Martin.
Sandy Hook	Monmouth	22	37	31.0	−1.1	54	25	10	6	29	2.87	−0.88	1.42	7.2	11	8	9	11	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	31.7	−0.6	57	16	−4	1	33	3.29	−0.46	1.95	7.2	10	6	11	11	w.	
For the State	......	......	....	30.1	−0.6	64	25	−31	1	58	2.80	−0.81	1.95	6.8	9	12	7	9	w.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for February, 1935

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware					T.			T.	.18					.22	.60		.42			.05	.11	.10	.58			T.	.30					2.56
Charlotteburg	Passaic					.08				.07					.06	.85		.49			.01			.42	.15		.26	.38					2.77
Culvers Lake	Delaware					.10	T.		.02	.08					.20	.53		.34			T.			.52	T.		.30	.01					2.10
Dover	Passaic					.20			.16						.58	.22		.56			T.		*	.29		T.	.23	.40					2.64
Layton	Delaware					.04	.01		T.	.04					.22	.04		.11			T.			.60			.63	.07					1.76
Long Valley	Morris					.20			.17							.45		.49						.20			.23						1.74
Newton	Delaware					.10	T.		.02	.08					.16	.41		.30		T.	T.		T.	.51	.03		.35	.20					2.16
Phillipsburg	do				T.	.28	T.		.04	.03	T				.71	T.		.49			T	.08	.15	.29		T.	.72	.15					2.94
Sussex	Hudson					.07	T.		.30	.42					.12	.33		.50			T.			.35			.68	.25					3.02
The Red Sandstone Plain.																																	
Boonton ‖	Passaic						.04			.02						1.05		.44	T.					.02	.06		.10	.33					2.06
Canoe Brook ‖	Essex					T.	.07		T.	.08	T.				T.	1.14		.40	T.				T.	T.	.24		.22	.45					2.60
Chatham ‖	do																																.....
Elizabeth	Coast					.10	.07		.20	.11	T.				.22	.78		.42			T.		.01	.15	.05		.40	.42					2.93
Flemington	Raritan					.10	.05		T.	.09					.34	.84		.44			T		.13	.24			.34	.31					2.88
Jersey City	Coast				T.	.16			.04	.14	T.				.64	.58		.41			T.		.01	.18			.25	.69					3.10
Lambertville	Delaware				T.	.08	.02		.03	.02	.04			.30	.59		.36				T.		.23	.14			.38	.36					2.55
Little Falls ‖	Passaic						.04			.08						1.16		.43						.15	.13		.19	.48					2.66
New Brunswick	Raritan				T.	.08	T.		.01	.05	.02				.18	.90		.42			T.		.25	.15	T.		.37	.40					2.83
New Milford ‖	Hackensack						.03			.10						1.18	.04	.46	.09					.17	.16		.06	.50					2.79
Paterson	Passaic					.10			.01						.45	.68		.53			T.			.23	T.		.23	.10					2.33
Plainfield	Raritan				T.	.13			.12		.02				.97	T.		.18			T.	.05		.46			*	.50					2.43
Ridgefield**	Hackensack					.12			.05		T.				1.00	.25	.01	.45			.01		.04	.22			.30	.48					2.93
Somerville	Raritan					.08	T.		T.	.10	T.				.21	.72		.34			T.		.09	.14			.40	.36					2.44
Woodcliff Lake ‖	Hackensack						.02			.10						1.02		.39	.21					.16	.18			.64					2.72
New York, N. Y***	Coast				T.	.15			.04	.13	T.				1.23	T.		.38			T.	T.	.08	.11			.61	.28					3.01
The Southern Interior.																																	
Belleplain	Tuckahoe					.09	.20				.20				1.52			.45					T.				.45	.05					2.96
Bridgeton	Delaware					.08			T.	.40				.06	.70	.08		.41						.03			.70						2.46
Burlington	Delaware					.10					.08				.30	*	.75	.30			T.		.30	*	.10		.50	.23					2.66
Camden**	do					.40	.14		T.	T.	.15				1.12			.34			T.		.10	.06			1.60	.10					4.01
Freehold	Raritan				T.	.10			T.			.15			.35	1.05		.46					*	.45			.45	.50					3.41
Hammonton	Mullica					.11				.39				.13	1.53		.48	.02			T.		.07	.05			.97						3.75
Hightstown	Raritan					.10			T.	T	.05				.31	.93		.41			T.		*	.46	T.		.51	.20					2.97
Indian Mills	Mullica					T.	.08				.25				.30	.90		.43					.04	.07			.43	.46					2.96
Lakewood	Metedeconk				T.	.09	T.				.17				.20	1.05		.45			T.		.18	.06			.34	.45					2.99
Moorestown ‖	Delaware					.09			.02	.03				.03	1.10		.37			T.			.20		.05	.25	.71						2.85
Northfield	Coast					.13					.78				.51	.34		.50					T	T.			.41	.30					2.97
Pemberton	Delaware					.08	.02		T.		.22				.40	.72		.40			T.		.12	.06	T.		.36	.22					2.60
Pleasantville ‖	Coast					.01	.15	T			.68	T.			.06	1.00		.56	.01						T.			.42					2.89
Port Norris	Maurice																																.....
Runyon	Coast					.16									.30	1.06		.44					.30	.07			.32	.46					3.11
Trenton***	Delaware				T	.07	T.		T.	.01	.06	T.			1.08	T.		.37			T.	T.	.43	.06			.57	.16					2.81
Trenton No. 2 ‖	do					T.	.11		T.	.02	.05	.03			.04	1.09		.33	.06			T.	.01	.26	.28		.29	.61					3 18
Tuckerton	Coast					.01	.02			.02	.01				.42	.96		.26			T.		.01	.01			.26	.93					2.91
Phila., Pa***	Delaware				T.	.11	T.		T.	.01	.08				1.26			.36			T.		.15	.08		T.	.99	.08					3.12
The Sea Coast.																																	
Atlantic City***	Coast				T.	.05	.07			T	.62				.93	T.		.59					T.	.01			.58	.23					3.08
Long Branch**	do				.01	.10	.01		.03	.03	.08				1.95	T.		.43		T.	T.	T.	.38	.04			.52	.33					3.91
Sandy Hook***	do				T.	.05			.06	.04	.07				1.42	T.		.37		T.	T.	.02	.16	.07			.51	.10					2.87

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.07	30.73	1	29.50	3	15.8	45	se.	14	78	67	72	51
Long Branch	30.05	30.80	1	29.44	3	......	......	......	......	73	53	70	53
New York, N. Y	30.05	30.78	1	29.47	3	15.3	48	nw.	20	67	61	59	51
Philadelphia, Pa	30.07	30.77	1	29.51	3	13.5	31	n.	4	66	58	60	54
Ridgefield	30.05	30.79	1	29.47	3	......	......	......	......	......	......	......	......
Sandy Hook	30.05	30.74	1	29.47	3	14.8	35	n.	27	78	72	73	51
Trenton	30.06	30.79	1	29.49	3	8.3	16	s.	25	75	63	68	52

Daily Temperatures for February, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	25	40	41	38	21	19	34	38	42	42	37	36	41	36	43	53	44	40	43	40	34	34	34	42	57	50	29	34	....	....	....	38.1
	Minimum	-6	13	31	19	15	3	-7	15	33	29	27	11	17	25	32	29	33	25	25	25	16	29	25	19	23	20	13	7	....	....	....	19.5
Charlotteburg	Maximum	29	42	42	44	36	20	34	34	41	41	35	34	37	34	49	50	50	49	40	39	38	31	33	44	53	52	33	30	....	....	....	39.1
	Minimum	12	7	32	19	10	0	-15	12	30	26	24	0	17	19	31	34	29	23	31	17	9	20	21	21	23	30	10	0	....	....	....	17.6
Dover	Maximum	26	41	40	18	20	23	32	35	42	35	36	35	38	37	48	51	39	37	43	38	32	34	32	41	54	48	35	31	....	....	....	36.5
	Minimum	-7	14	25	15	10	3	-7	15	31	27	23	8	18	25	34	31	32	24	28	25	15	22	22	21	28	21	10	5	....	....	....	18.5
Layton	Maximum	29	45	44	36	21	23	36	36	42	35	37	34	38	33	45	48	38	38	42	39	33	34	30	42	50	47	26	33	....	....	....	36.9
	Minimum	-22	12	31	14	7	-11	-19	8	30	25	24	-2	9	18	31	30	32	24	29	15	13	22	19	11	18	22	10	-2	....	....	....	13.9
Long Valley	Maximum	24	40	38	36	24	20	34	37	34	39	35	32	38	38	46	50	45	39	41	38	34	34	32	38	52	50	30	29	....	....	....	36.7
	Minimum	-10	11	27	20	12	4	-14	10	30	28	24	9	15	22	35	31	29	24	24	20	15	28	22	21	24	28	11	2	....	....	....	17.9
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Phillipsburg	Maximum	24	42	40	34	22	15	29	37	42	36	37	34	38	39	45	50	42	39	44	42	37	37	34	42	54	44	21	33	....	....	....	36.9
	Minimum	-2	13	30	21	15	3	-4	20	33	28	26	15	20	29	32	30	30	26	29	26	19	28	27	22	27	20	14	9	....	....	....	20.9
Sussex	Maximum	26	38	45	41	29	21	36	35	42	39	36	37	40	33	41	45	42	38	41	38	37	33	35	42	55	48	35	31	....	....	....	37.8
	Minimum	-12	5	33	18	10	-4	-15	7	30	28	24	7	22	25	33	36	30	30	25	31	15	25	24	17	19	26	11	-1	....	....	....	17.8
The Red Sandstone Plain.																																	
Boonton§§	Maximum	15	33	26	33	26	18	23	34	31	35	31	30	30	36	40	37	40	34	28	35	31	29	32	29	42	27	42	16	....	....	....	30.8
	Minimum	-7	-5	15	25	13	5	-5	-3	23	30	28	9	11	19	29	30	30	27	27	22	17	19	23	20	22	26	14	3	....	....	....	16.7
Canoe Brook§§	Maximum	29	41	42	37	26	26	37	38	48	38	38	33	40	38	50	54	50	40	45	41	38	33	34	43	56	47	46	33	....	....	....	40.0
	Minimum	-21	5	24	12	7	3	-21	8	24	28	23	1	7	18	32	27	26	25	30	20	16	20	24	14	20	34	14	-3	....	....	....	14.9
Elizabeth	Maximum	20	39	40	39	27	21	27	35	42	42	36	37	34	37	42	47	47	41	40	38	45	33	37	40	60	62	38	32	....	....	....	38.5
	Minimum	-4	10	29	25	14	8	-2	12	32	30	27	12	19	30	34	30	32	27	34	25	19	31	27	21	26	33	15	4	....	....	....	21.4
Flemington	Maximum	29	44	42	38	25	24	39	37	46	42	41	36	38	36	45	54	47	43	45	43	37	37	34	45	58	50	32	37	....	....	....	40.1
	Minimum	-10	7	29	25	14	9	-14	12	32	31	24	11	17	24	34	28	31	25	33	26	17	28	23	22	21	32	13	4	....	....	....	19.6
Jersey City	Maximum	26	41	43	38	23	24	37	38	45	38	39	34	40	42	47	54	44	41	45	42	35	39	37	42	59	53	29	34	....	....	....	39.6
	Minimum	3	16	34	23	12	6	12	30	33	30	28	16	26	30	36	36	33	28	32	28	19	31	29	26	33	29	14	11	....	....	....	24.4
Lambertville	Maximum	25	41	40	37	25	21	32	39	46	39	36	34	36	44	49	43	44	41	43	40	35	33	32	42	56	52	28	33	....	....	....	38.1
	Minimum	-5	11	31	15	12	8	-3	18	32	28	22	11	27	33	34	33	32	34	27	26	16	25	25	21	37	28	13	6	....	....	....	21.3
Little Falls§§	Maximum	29	44	44	38	27	23	38	36	47	39	39	37	42	40	56	58	44	41	45	42	40	34	40	44	59	49	49	33	....	....	....	41.3
	Minimum	-8	7	22	22	13	4	-5	8	26	29	27	8	15	27	31	29	30	27	30	24	18	23	24	19	24	37	14	9	....	....	....	19.1
New Brunswick	Maximum	24	43	40	38	29	23	33	35	43	39	37	36	37	36	44	52	49	41	46	42	36	34	34	41	60	56	42	32	....	....	....	39.2
	Minimum	-7	10	29	23	14	7	-7	20	32	28	23	10	18	26	34	30	34	26	35	25	17	28	26	20	28	33	14	5	....	....	....	20.8
Paterson	Maximum	....	....	43	36	22	24	34	34	45	37	39	36	40	35	47	53	40	41	46	42	35	35	32	43	57	48	32	34	....	....	....	38.8ᵇ
	Minimum	....	....	34	22	13	4	-1	17	32	30	26	10	18	26	34	29	33	29	33	25	18	18	25	18	25	31	15	4	....	....	....	21.8ᵇ
Plainfield	Maximum	26	42	42	37	23	25	35	36	46	38	39	34	39	39	45	56	42	42	48	42	35	42	33	42	60	52	29	34	....	....	....	39.4
	Minimum	-1	14	30	23	13	6	-1	20	33	30	28	12	23	28	32	30	33	27	33	24	18	30	27	26	26	29	14	7	....	....	....	21.9
Ridgefield	Maximum	26	40	42	34	29	22	31	35	45	35	37	32	39	39	44	51	39	40	44	40	35	35	33	43	60	50	24	34	....	....	....	37.8
	Minimum	-3	14	32	15	8	3	0	20	32	26	20	11	19	30	34	31	32	28	28	27	18	26	26	22	30	19	15	8	....	....	....	20.4
Somerville	Maximum	22	41	40	37	24	33	32	37	43	40	37	34	38	38	44	52	41	41	46	42	37	36	33	46	59	54	32	33	....	....	....	39.0
	Minimum	-9	6	26	22	12	8	-8	14	32	30	24	9	15	24	33	26	35	26	33	23	12	29	26	22	23	32	14	2	....	....	....	19.0
New York, N. Y.	Maximum	26	40	43	38	23	23	38	38	44	37	39	33	40	49	48	52	43	42	43	42	35	37	37	42	57	53	26	34	....	....	....	39.3
	Minimum	5	17	34	17	12	6	14	31	33	28	24	17	26	31	36	36	33	28	31	28	19	31	29	26	34	20	14	12	....	....	....	24.0
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	37	30	29	35	49	49	45	37	40	36	48	54	57	56	45	51	55	42	39	47	52	63	55	40	35	....	....	....	45.0ᶜ
	Minimum	....	....	....	24	12	11	6	22	31	30	20	16	17	29	34	29	33	24	27	23	20	23	33	21	33	38	16	10	....	....	....	23.3ᶜ
Bridgeton	Maximum	25	42	41	33	20	31	44	44	46	39	36	38	40	50	46	45	55	46	48	45	38	41	40	53	63	48	25	35	....	....	....	41.3
	Minimum	7	20	25	15	10	7	8	31	29	19	16	17	29	33	32	30	35	28	27	20	25	30	23	28	40	14	12	17	....	....	....	22.4
Burlington	Maximum	22	40	42	39	36	25	32	40	43	43	37	36	39	40	43	52	50	45	45	43	38	37	35	48	62	59	35	34	....	....	....	40.7
	Minimum	3	12	28	26	12	10	-2	22	33	30	25	18	20	27	34	30	34	39	35	29	21	21	29	26	28	35	12	9	....	....	....	23.1
Camden	Maximum	26	40	40	35	23	20	33	38	42	36	40	38	37	45	46	55	46	44	50	41	39	35	36	50	63	55	24	33	....	....	....	39.6
	Minimum	0	14	29	22	15	3	6	25	34	25	26	16	20	30	35	31	33	30	30	29	21	28	28	26	27	20	15	14	....	....	....	22.6
Freehold	Maximum	24	40	40	35	24	21	31	36	44	44	37	35	36	40	48	51	44	41	46	45	36	35	36	43	59	56	32	32	....	....	....	39.0
	Minimum	-8	9	30	22	12	7	-4	19	32	28	22	10	16	27	34	34	36	27	33	26	18	27	27	21	30	32	14	5	....	....	....	20.9
Hammonton	Maximum	33	45	40	32	28	27	39	44	50	38	39	41	40	51	43	43	40	41	41	33	35	40	40	36	54	54	28	34	....	....	....	39.6
	Minimum	18	20	25	15	11	5	9	30	30	20	17	19	20	35	33	38	28	30	27	21	21	30	24	24	25	16	11	19	....	....	....	22.2
Hightstown	Maximum	25	41	40	38	25	21	33	39	43	39	37	37	37	36	46	51	41	42	46	42	38	36	35	43	61	60	34	33	....	....	....	39.2
	Minimum	-8	12	30	27	12	8	-7	20	32	29	23	11	14	23	35	30	35	27	35	28	19	28	27	22	30	33	15	7	....	....	....	21.3
Indian Mills	Maximum	32	46	44	40	30	26	40	42	52	47	40	40	40	46	59	54	49	44	50	41	40	37	40	52	64	59	38	35	....	....	....	43.8
	Minimum	5	3	27	24	14	9	2	24	32	40	15	12	13	27	35	30	33	26	31	24	20	30	29	22	22	38	20	3	....	....	....	21.8
Lakewood	Maximum	25	44	41	38	27	22	30	38	46	41	37	34	35	41	53	52	44	42	47	44	37	36	41	47	60	54	38	33	....	....	....	40.2
	Minimum	-2	7	32	23	14	11	-6	15	33	30	23	12	14	26	35	31	33	28	35	26	20	30	29	25	27	37	16	7	....	....	....	21.8
Moorestown	Maximum	26	40	40	30	23	22	33	39	42	36	37	35	37	45	45	53	44	43	47	40	38	36	36	48	62	54	30	33	....	....	....	39.1
	Minimum	-5	12	29	17	12	10	1	22	34	30	24	15	19	28	34	32	36	30	39	27	22	29	30	26	29	20	15	11	....	....	....	22.1
Pemberton	Maximum	26	43	39	35	25	21	35	40	43	39	39	38	39	46	50	56	47	44	48	45	37	36	37	50	63	57	34	32	....	....	....	40.9
	Minimum	-7	9	28	22	19	9	2	23	33	30	21	13	16	26	35	38	30	29	34	27	21	30	29	25	29	34	16	7	....	....	....	22.3
Pleasantville§§	Maximum	28	40	41	42	34	25	35	40	53	37	38	35	37	49	47	57	47	46	52	48	41	42	55	53	53	53	46	36	....	....	....	43.2
	Minimum	-1	3	21	25	16	14	12	16	31	31	13	14	14	22	35	33	31	24	31	24	17	23	33	22	28	41	17	9	....	....	....	21.4
Runyon	Maximum	26	38	41	37	26	22	34	38	44	40	40	44	37	44	46	54	44	44	40	42	38	38	37	46	60	56	36	32	....	....	....	40.1
	Minimum	-31	8	29	16	14	7	-19	12	29	30	16	1	9	25	32	27	27	27	26	16	14	32	28	15	30	36	15	-7	....	....	....	16.6
Trenton	Maximum	23	41	41	35	22	23	32	38	45	36	37	34	37	43	45	52	43	42	46	42	37	35	34	45	60	56	25	33	....	....	....	38.6
	Minimum	2	14	33	18	14	9	6	25	33	27	26	17	23	29	34	29	32	28	32	28	20	27	29	24	31	20	15	11	....	....	....	22.7
Tuckerton	Maximum	30	45	49	40	34	30	32	40	42	40	40	38	40	43	45	50	46	42	50	44	42	42	41	52	55	45	40	40	....	....	....	42.0
	Minimum	7	14	28	28	18	18	20	25	32	28	27	24	30	32	40	40	40	28	35	35	28	32	30	34	40	38	18	24	....	....	....	28.3
Philadelphia, Pa.	Maximum	27	41	41	37	24	25	35	40	46	39	38	35	40	48	44	54	45	43	45	43	38	36	36	48	60	57	28	34	....	....	....	40.2
	Minimum	8	18	34	23	16	13	16	28	34	31	29	21	28	31	36	38	33	31	35	28	21	29	29	27	33	21	17	15	....	....	....	25.8
The Sea Coast.																																	
Atlantic City	Maximum	30	40	41	35	28	25	35	38	51	38	39	36	37	49	51	57	47	45	50	47	39	40	46	49	47	50	28	35	....	....	....	41.2
	Minimum	7	24	34	22	19	16	15	32	33	27	23	22	27	36	36	39	34	30	35	30	23	35	34	26	38	28	17	16	....	....	....	27.1
Long Branch	Maximum	23	43	41	33	23	22	30	36	45	36	37	30	36	48	49	52	40	40	47	43	35	33	37	42	53	55	25	32	....	....	....	38.1
	Minimum	-4	17	30	18	15	8	2	26	33	24	23	13	17	34	36	35	32	29	28	28	19	28	30	24	31	22	10	6	....	....	....	21.9
Sandy Hook	Maximum	24	39	39	33	20	22	32	33	41	35	36	29	36	47	44	49	39	40	45	42	36	35	36	41	54	52	24	32	....	....	....	37.0
	Minimum	11	18	31	18	16	10	19	29	31	30	26	19	24	32	35	34	33	29	31	30	20	28	31	27	34	23	15	14	....	....	....	24.9

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

LNNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XL. MARCH, 1935. No. 3.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Abnormally warm weather prevailed during the greater part of the month, the State average for temperature being the highest for March since 1929. The few cold periods were quite brief, lasting only about two days at a time, and were not of marked intensity. The lowest temperatures for the month were generally between zero and ten above in the extreme northern part of the State and between ten and twenty degrees above over the remainder; most of them were recorded on the 1st with a few on the 9th. The warm periods were fixed mostly by high daytime temperatures, the nights being moderately cold. Maximum temperatures for the month were registered generally on the 16th and were mostly in the seventies.

Precipitation occurred at rather well distributed intervals throughout the month and was largely in the form of rain, the snowfall being less than normal and ranged, in the averages, from 7.2 inches for the Highlands section to 0.4 inch for the Southern Interior. The most general precipitation was from the 11th to 13th, inclusive, and varied from all snow at the most northern stations to practically all rain in the extreme south. The percentages of normal amounts over the various subdivisions of the State were as follows: The Highlands, 72%; Red Sandstone Plain, 64%; Southern Interior, 66%; Sea Coast, 53%; State, 63%.

At the close of the month Spring work was getting well under way on the farms, especially in the southern portion, due to the prevailing favorable weather.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 43.0°, which was 3.9° above normal. The highest temperature was 81° at Indian Mills and Long Branch on the 16th, and the lowest, —6°, at Runyon on the 1st. The greatest daily range of temperature was 50° at Canoe Brook and Pleasantville on the 16th. The highest monthly mean temperature was 46.0° at Burlington and Pemberton, and the lowest, 38.3° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.1°; Red Sandstone Plain, +0.5°; Southern Interior, +0.6°; Sea Coast, +0.8°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 44 stations, was 2.46 inches, which was 1.32 inches below normal. The average total snowfall at 20 selected stations was 1.5 inches, which was 3.3 inches below normal. The greatest monthly precipitation was 3.51 inches, at Phillipsburg, and the least, 1.51 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 1.10 inches at Camden on the 12th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 10, or 1 less than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —0.62 inch; Red Sandstone Plain, —2.32 inches; Southern Interior, —0.38 inch; Sea Coast, —1.45 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 13 miles per hour, which was 2 miles below normal. The highest velocity, sustained for 5 consecutive minutes, was 44 miles per hour from the southwest at Sandy Hook on the 17th.

MISCELLANEOUS.

The per cent of possible sunshine was 48, or 13 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.08 inches, or 0.07 inch above normal. The highest reading was 30.75 inches at Long Branch on the 9th, and the lowest 29.40 inches on the 12th, also occurring at Long Branch.

The mean stage of the Delaware River at Phillipsburg was 5.3 feet, and the highest 9.1 feet on the 13th. At Trenton the mean stage was 3.5 feet, and the highest 5.1 feet on the 14th.

Sleet was observed quite generally throughout the State on the 7th, it was also noted at various scattered points on the 8th, 12th, 13th, 14th, 18th, 19th, 23d, 25th and 31st. A light fall of hail was observed at Flemington and Trenton on the 23d. Dense fog occurred on the 5th, 6th, 11th and 21st at stations along the sea coast and the Delaware River.

COMPARATIVE DATA FOR MARCH

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	**30.4**	−8.7	66	2	**1.10**	−2.68	2.29	**0.23**	......	....	....	....	....
1886	37.7	−1.4	70	9	3.70	−0.08	5.27	2.59	......	....	....	....	....
1887	37.7	−1.4	61	8	3.34	−0.44	5.45	2.19	......	10	....	....	....
1888	32.8	−6.3	72	0	5.71	+1.93	8.22	3.75	......	11	....	....	....
1889	40.5	+1.4	67	19	3.79	+0.01	6.49	1.98	......	8	....	....	....
1890	37.6	−1.5	78	0	6.08	+2.30	7.92	4.14	......	14	....	....	....
1891	37.2	−1.9	68	4	5.06	+1.28	8.02	2.05	......	12	8	10	13
1892	34.4	−4.7	64	6	4.75	+0.97	7.21	3.11	......	9	10	12	9
1893	37.0	−2.1	68	6	3.73	−0.05	6.26	2.36	.....	10	10	10	11
1894	44.2	+5.1	83	12	1.77	−2.01	2.65	1.09	.....	10	12	11	8
1895	36.7	−2.4	72	7	3.16	−0.62	4.66	1.77	4.0	10	12	8	11
1896	34.0	−5.1	69	−8	5.34	+1.56	7.38	3.14	13.2	11	13	8	10
1897	40.0	+0.9	77	18	2.78	−1.00	4.32	1.55	1.6	10	11	9	11
1898	45.1	+6.0	77	16	3.33	−0.45	4.25	2.56	3.0	12	9	10	12
1899	38.6	−0.5	73	13	6.54	+2.76	9.58	3.45	5.4	13	7	10	14
1900	35.6	−3.5	67	−9	3.51	−0.27	4.96	2.48	7.0	10	12	12	7
1901	39.2	+0.1	75	−8	4.64	+0.86	8.07	2.40	0.9	12	9	10	12
1902	43.9	+4.8	77	0	4.34	+0.56	7.20	3.16	5.7	11	12	10	9
1903	47.6	+8.5	79	13	5.13	+1.35	8.53	3.60	*T.*	10	11	8	12
1904	37.2	−1.9	72	1	3.43	−0.35	4.76	2.02	4.5	13	11	8	12
1905	39.8	+0.7	87	−7	3.95	+0.17	5.06	2.80	2.6	12	14	8	9
1906	34.4	−4.7	62	**−15**	5.09	+1.31	6.77	2.91	11.2	11	10	9	12
1907	41.2	+2.1	88	−11	3.04	−0.74	4.38	1.81	11.5	10	13	10	8
1908	41.8	+2.7	89	7	2.80	−0.98	4.92	1.06	3.5	12	11	9	11
1909	38.3	−0.8	74	−6	3.48	−0.30	4.66	2.31	4.6	13	12	10	9
1910	44.5	+5.4	88	10	1.22	−2.56	2.36	0.29	1.1	6	14	10	7
1911	37.6	+1.5	76	3	3.38	−0.40	4.50	2.64	5.3	11	10	12	9
1912	36.9	−2.2	72	3	**7.61**	+3.83	**9.61**	5.95	6.6	14	9	11	11
1913	44.8	+5.7	79	1	5.15	+1.37	7.73	2.47	0.1	12	10	9	12
1914	35.4	−3.7	75	−6	3.65	−0.13	6.45	2.02	**20.5**	10	13	10	8
1915	36.1	−3.0	63	11	1.13	−2.65	1.65	0.58	7.4	3	20	7	4
1916	31.7	−7.4	71	−7	3.48	−0.30	4.96	2.38	19.3	12	13	8	10
1917	38.2	−0.9	72	0	4.65	+0.87	7.14	2.28	9.8	13	12	8	11
1918	41.8	+2.7	82	8	2.06	−1.72	3.76	0.99	0.7	9	17	7	7
1919	43.2	+4.1	77	12	5.32	+1.54	7.40	3.77	1.6	13	14	7	10
1920	39.4	+0.3	79	−8	3.80	+0.02	5.36	2.29	5.6	10	17	5	9
1921	**49.1**	+10.0	**92**	11	3.03	−0.75	4.65	1.80	*T.*	11	14	10	7
1922	41.1	+2.0	82	2	4.52	+0.74	7.10	3.42	3.7	13	12	6	13
1923	38.0	−1.1	81	−3	4.09	+0.31	6.73	2.13	6.3	10	17	6	8
1924	38.8	−0.8	76	5	2.51	−1.27	5.69	0.80	2.7	8	16	6	9
1925	43.3	+4.2	80	1	3.47	−0.31	6.09	1.50	0.3	9	16	6	9
1926	35.1	−4.0	79	0	2.25	−1.53	3.15	1.52	0.4	7	16	9	6
1927	41.9	+2.8	81	9	1.46	−2.32	2.73	0.78	0.3	10	14	7	10
1928	38.3	−0.8	82	6	2.84	−0.94	3.82	1.70	4.9	10	14	8	9
1929	44.9	+5.8	81	5	3.07	−0.71	4.92	1.92	0.7	11	15	6	10
1930	40.0	+0.9	78	9	2.54	−1.24	3.80	0.44	0.1	7	16	7	8
1931	39.2	+0.1	64	12	4.14	+0.36	6.06	2.60	2.0	10	8	9	14
1932	36.6	−2.5	69	8	5.49	+1.71	7.70	3.91	2.5	9	14	6	11
1933	38.2	−0.9	70	8	4.94	+1.16	6.34	2.59	1.7	13	10	7	14
1934	36.5	−2.6	77	−7	3.31	−0.47	4.81	1.64	9.6	12	13	7	11
1935	43.0	+3.9	81	−6	2.46	−1.32	3.51	1.51	1.5	10	13	5	13
Period	39.1	....	92	−15	3.78	....	9.61	0.23	4.8	11	12	9	10

W. B. O. Philadelphia-5-2-35-875

Climatological Data for March, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	41.0^{g}	+2.4	77	16	9	1	47	2.18	−1.51	0.63	13.0	6	14	4	13	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	42.2	+5.9	74	16†	0	1	48	2.45	−1.54	0.59	7.5	11	16	1	14	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	5	9	....	1.91	−1.41	0.75	4.1	6	15	10	6	e.	Brice E. Riker.
Dover	Morris	600	51	40.0^{a}	+4.1	74	16	5	1	45	2.83	−1.19	0.68	6.0	11	7	8	16	......	William C. Harris
Layton	Sussex	480	34	38.3	+2.2	73	16	1	1	44	2.08	−1.21	0.78	7.5	9	9	6	16	ne.	A. M. Depue.
Long Valley	Morris	520	5	39.7	....	72	16	4	1	44	2.59	....	0.60	8.8	8	7	7	17	se.	S. N .Dilts.
Newton	Sussex	769	52	39.5	+3.5	71	16	8	9	39	2.53	−0.86	0.72	8.5	11	11	3	17	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	42.1	+3.5	75	16	12	1	38	3.51	+0.17	0.79	2.2	10	18	4	9	......	Town Engineer.
Sussex	Sussex	442	40	40.4	+3.5	73	16	2	9	46	2.78	−0.37	0.82	6.8	8	18	3	10	......	A. J. W. Mowatt
Means and extremes	......	......	....	40.4	+3.6	77	16	0	1	48	2.54	−0.99	0.82	7.2	9	13	5	13	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	38.8	+3.4	72	16	6	1	45	1.71	−1.93	0.55	......	8	14	2	15	ne.	John Kline.
Canoe Brook	Essex	173	5	41.2	....	76	16	1	1	50	2.31	....	0.60	......	7	12	12	7	w.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	2.45	−1.59	0.64	......	9	13	5	13	......	Paul Molitor, Sr.
Elizabeth	Union	45	56	44.6	+5.2	78	17	9	1	46	2.41	−1.55	0.62	0.8	12	17	5	9	w.	Union County Park Comm.
Flemington	Hunterdon	140	§49	44.2	+3.6	79	16	9	1	48	2.63	−1.03	0.55	1.5	10	15	5	11	sw.	Hiram E. Deats.
Jersey City	Hudson	10	37	44.0	+4.0	76	16	17	9	39	2.60	−1.42	0.90	2.1	10	10	9	12	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	42.8	+3.1	75	16	15	1†	39	2.44	−1.35	0.60	1.5	13	13	4	14	s.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	43.0	+5.7	78	16	7	1	49	2.51	−1.26	0.60	4.0	9	12	8	11	nw.	Passaic Valley Water Co
New Brunswick	Middlesex	110	82	43.9	+4.7	77	16	10	1	45	2.46	−1.10	0.79	0.8	11	12	9	10	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	2.39	−0.96	0.67	......	8	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	42.6	+3.2	78	16	10	1	48	2.28	−1.67	0.55	1.3	9	12	7	12	w.	William H. Meyer.
Plainfield	Union	120	47	43.4	+4.3	78	16	11	1	47	2.59	−1.37	0.86	2.5	10	10	9	12	sw.	S. K .Pearson.
Ridgefield	Bergen	80	18	42.1	+5.6	78	16	15	9	44	2.47	−1.60	0.71	3.5	11	13	5	13	se.	George P. Kirsten.
Somerville	Somerset	70	52	43.2	+4.4	78	16	6	1	48	2.65	−1.02	0.54	2.0	11	11	4	16	sw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	2.22	−0.85	0.59	......	8	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	314	65	43.2	+5.5	74	16	17	9	36	2.57	−1.07	0.89	1.0	9	10	7	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	42.8	+4.3	79	16	1	1	50	2.41	−1.34	0.90	2.0	10	13	6	12	w.	
The Southern Interior.																				
Belleplain	Cape May	30	41	45.3	+3.8	75	6	14	1	38	1.51	−2.25	0.70	T.	10	11	6	14	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	45.5	+2.9	77	16	20	8	41	2.73	−1.11	0.82	0.5	13	16	2	13	sw.	Bennett K. Matlack
Burlington	Burlington	12	§49	46.0	+4.7	76	17	14	1	42	3.18	−0.53	1.05	0.6	11	15	3	13	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	45.0	......	78	16	18	1	45	3.20	....	1.10	1.8	10	8	7	16	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	44.0	....	76	16	15	1	38	2.40	−2.25	0.47	T.	12	15	4	12	w.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	41.6	....	69	21	19	8	31	2.63	−1.29	0.95	T.	13	14	5	12	s.	Geo. W. Lobley.
Hightstown	Mercer	110	42	44.6	+3.8	77	16	13	1	44	2.64	−1.14	0.65	0.5	11	13	4	14	sw.	Braun Bros.
Indian Mills‡‡	Burlington	76	46	45.5	+4.4	81	16	12	1	49	2.66	−1.42	0.74	T.	11	10	8	13	sw.	James M. Armstrong.
Lakewood	Ocean	54	31	45.2	+4.9	79	16	14	1	44	2.72	−1.45	0.62	T.	13	13	2	16	sw.	R. W. Holman.
Moorestown	Burlington	62	72	44.8	+5.0	77	16	17	1	43	2.58	−1.10	0.75	0.6	11	12	2	17	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	...	2.16	−1.28	0.47	T.	11	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	46.0	....	79	16	13	1	43	2.44	....	0.70	T.	10	14	5	12	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	43.8	....	77	6	14	1	50	2.52	−0.89	0.62	......	13	17	2	12	s.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	......	......	......	......	......	....	......	......	......	......	......	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	41.5	....	79	16	−6	1	49	2.73	−0.37	0.77	......	7	14	8	9	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	43.8	+4.7	75	16	19	9	38	2.17	−1.23	0.78	1.1	12	12	2	17	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	2.70	....	0.79	1.5	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	44.5	+3.4	70	7	26	1†	30	2.08	−2.05	0.62	T.	15	12	6	13	n.	John H. Brown.
Philadelphia, Pa	......	114	64	46.2	+5.4	75	16	23	9	36	2.11	−1.28	0.97	0.6	13	10	4	17	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	44.5	+4.2	81	16	−6	1	50	2.53	−1.31	1.10	0.4	11	13	4	14	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	44.6	+6.0	75	6	23	9	27	2.31	−1.29	0.78	T.	15	5	9	17	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	43.4	+4.0	81	16	15	1	42	2.32	−1.85	0.69	0.2	9	10	7	14	nw.	William D. Martin.
Sandy Hook	Monmouth	22	37	42.4	+3.1	70	16	22	9	32	1.68	−2.36	0.65	1.1	9	10	6	15	sw.	U.S. Weather Bureau.
Means and extremes	......	......	....	43.5	+4.4	81	16	15	1	42	2.10	−1.83	0.78	0.4	11	8	7	16	sw.	
For the State	......	......	....	43.0	+3.9	81	16	−6	1	50	2.46	−1.32	1.10	1.5	10	13	5	13	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for March, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware				T.	T.		.10	.15		T.	T.		.25		.60								T.	.63				.45			T.	2.18
Charlotteburg	Passaic							.25	.15			.05	.25	.59	.01					.05	.05	.42							.35	.28			2.45
Culvers Lake	Delaware	T.						.23	.04		T.	.02	.45	T.	.42					T.									.75				1.91
Dover	Passaic							*	.30		*	.15	.68	.40	.01					.11		.57		.04					.57				2.83
Layton	Delaware							.31	.07		.05	.09	.39	.31						.04	T.	.04							.78				2.08
Long Valley	Morris						.08			.18			.40	.60	.35							.56		.07					.35				2.59
Newton	Delaware				T.	T.		.20	.10		.04	.04	.38	.30	.04	T.				.02	.04	.65		T.					.72			T.	2.53
Phillipsburg	...do					T.		.49	.07		.07	.35	.79	.28	T.	T.				.28		.55		.21					.42			T.	3.51
Sussex	Hudson							.20	.20				.64	.28	T.					.03		.59							.82	.02			2.78
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic								.22			.04	.32	.55						T.	.07	.26	.06							.19			1.71
Canoe Brook‖‖	Essex								.16	T.		.08	.35	.60		T.				T.	.12	.49	T.							.51			2.31
Chatham ‖	...do								.24	T.		.08	.32	.64		T.					.13	.34	.18		.03					.49			2.45
Elizabeth	Coast							.01	.04		.01	.08	.62	.27	T	T.				.21	.01	.40		.02	T.				.60	.14		T.	2.41
Flemington	Raritan							.21	.10		T.	.08	.42	.49	.02			T.		.07		.55		.29		T.			.40			T.	2.63
Jersey City	Coast				T.	T.		.16	.03		.03	.07	.38	.37	T.			T.		.24		.41		.01					.90			T.	2.60
Lambertville	Delaware					T.		.16	.02		.02	.10	.38	.60	.03					.12		.37		.24					.30	.07		.03	2.44
Little Falls‖‖	Passaic								.38			.03	.28	.54						.05	.15	.41	.07							.60			2.51
New Brunswick	Raritan						T.	.10	.07		T.	.03	.29	.46	T.					.14	T.	.45		.12	.01				.58	.21		T.	2.46
New Milford‖‖	Hackensack								.40			.04	.22	.49							.25	.22	.10							.67			2.39
Paterson	Passaic							.25	.10				.46	.39	T.					.12	.02	.39		T.					.54	.01			2.28
Plainfield	Raritan							.15	.08		.04	.30	*	.86	T.	T.		T.		.13		.42		.07					.54			T	2.59
Ridgefield**	Hackensack				T.		.02	.13	.22		.05	.03	.25	.46	T.	T.				.22		.37		.02					.70			T.	2.47
Somerville	Raritan							.24	.07			.10	.45	.54						.10	.02	.47		.23					.35	.08		T.	2.65
Woodcliff Lake‖‖	Hackensack								.31			.05	.31	.49							.20	.15	.12							.59			2.22
New York, N. Y***	Coast				T	T.		.18	T.		.03	.23	.46	.12	T.			T		.24		.41		.01					.89			T.	2.57
The Southern Interior.																																	
Belleplain	Tuckahoe					T.		.20	T.			.05	.10	.05	.03					T.		.05				.07			.70	.10		.16	1.51
Bridgeton	Delaware																																......
Burlington	Delaware					.01		.12				.20	.50	1.05	.05					.10		.30		.14					.65			.06	3.18
Camden**	..do					.02	T.	.10	T.		.13	.14	1.10	.90	T.			T.		.07		.25		.06		T.			.43			T.	3.20
Freehold	Raritan					.10		.13	.07		T.	.11	.38	.47	.02					.17		.40		.07					.44			.04	2.40
Hammonton	Mullica						.06	.10	T.		.28	.24	.95	T.	.09					.02	.19	.13		.04		.07			.44			.05	2.63
Hightstown	Raritan					T.		.08	.10		T.	.13	.42	.53	.04			T.		.14	T.	.40		.11		T.			.65	T.		.04	2.64
Indian Mills	Mullica	T.				.04		.07	.05		T.	.06	.74	.68				T.		.05		.24				.08			.62			.03	2.66
Lakewood	Metedeconk					T.		.08	.02		T.	.14	.55	.62	.03			T.		.13	.03	.27		.27		T.			.52	.05		.01	2.72
Moorestown‖‖	Delaware					.01		.04			.22	.48	.75	.03					.06	.07	.22			.11					.59				2.58
Northfield	Coast					T.		.23	.01		T.	.23	.31	.40	.05					T.		.20		T.		.02			.47	.10		.14	2.16
Pemberton	Delaware					T.		.07	T.		.03	.15	.70	.54	.02			T.		.05	T.	.34		.19					.35	T.	T.	T.	2.44
Pleasantville‖‖	Coast					.02		.24	.02			.20	.57	.30	.06					.01		.24	.07	T.		.07			.62			.10	2.52
Port Norris	Maurice																																......
Runyon	Coast								.22				.76	.20						.12		.49		.17					.77				2.73
Trenton***	Delaware				T.	T.	T	.17	.01		.04	.08	.72	.06	.02			T.		.10		.28		.10		T.			.57			.02	2.17
Trenton No. 2‖‖	...do						T.		.21	T.		.09	.36	.71		.01				T.	.11	.28	.01	T	.13		T.		T.	.79			2.70
Tuckerton	Coast				.03	.04		.21	.08		.04	.26	.16	.62	.06				.02		.06					.04			.31	.09		.06	2.08
Phila., Pa***	Delaware					.02	T.	.08	.01		.05	.11	.90	.09	.02			T.		.06	T.	.24		.03		T.			.48			.02	2.11
The Sea Coast.																																	
Atlantic City***	Coast				T.	.01	.15	.11	.01		.13	.11	.70	.08	.03			T.		.01		.27		.01		.05			.45			.19	2.31
Long Branch**	...do							.18	T.		.01	.08	.69	.05	T.			T.		.20		.35		.16					.60			T.	2.32
Sandy Hook***	...do				T	T.		.10	T.		.02	.05	.58	.08	T			T.		.16		.29		.03					.37			T.	1.68

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine.
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.10	30.72	9	29.41	12	17.0	38	nw.	17	74	68	75	43
Long Branch	30.08	30.75	9	29.40	12					70	50	53	52
New York, N. Y	30.07	30.75	9	29.43	12	15.7	54	nw.	17	68	53	61	54
Philadelphia, Pa	30.08	30.75	9	29.45	12	13.3	37	sw.	17	66	53	59	48
Ridgefield	30.07	30.74	9	29.43	12								
Sandy Hook	30.06	30.72	9	29.44	12	14.3	44	sw.	17	76	63	71	49
Trenton	30.08	30.73	9	29.44	12	8.7	18	s.	16	72	59	64	50

Daily Temperatures for March, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	44	54	49	48	48	68	55	39	43	48	53	51	44	38	48	77	....	....	....	....	....	....	63	61	53	54	63	52	59	61	50	52.9[f]
	Minimum	9	23	33	22	32	43	29	22	14	25	39	30	27	19	22	30	....	....	....	....	....	....	..	40	35	29	26	41	31	31	35	29.0[g]
Charlotteburg	Maximum	38	54	57	43	52	68	67	49	40	42	57	56	43	42	43	74	74	53	56	63	63	66	64	66	64	58	61	60	58	60	51	56.2
	Minimum	0	24	37	17	31	47	29	17	8	18	39	37	26	12	19	26	43	20	26	32	32	42	28	39	36	30	25	27	33	39	32	28.1
Dover	Maximum	38	54	48	40	53	66	....	49	39	43	55	56	38	35	44	74	56	50	41	63	57	63	60	57	47	50	61	48	56	56	45	51.4[a]
	Minimum	5	15	13	20	30	54	21	21	12	23	42	33	26	18	22	29	37	23	28	34	38	43	32	40	35	27	25	33	34	36	33	28.5
Layton	Maximum	38	53	48	42	48	65	45	37	40	43	58	56	45	35	43	73	65	49	40	69	55	63	60	58	50	49	62	45	60	51	45	51.3
	Minimum	1	20	30	15	30	38	25	17	2	11	37	36	26	7	17	35	37	20	25	32	36	34	27	40	28	19	18	27	27	36	30	25.3
Long Valley	Maximum	38	52	50	38	53	65	57	33	38	40	53	56	34	34	44	72	65	44	43	61	60	62	59	58	53	49	59	50	56	55	47	50.9
	Minimum	4	20	30	19	31	46	30	22	13	30	22	34	26	14	19	28	41	22	26	32	38	41	31	39	34	27	27	31	34	41	32	28.5
Newton	Maximum	38	50	47	41	47	65	57	33	39	43	52	55	36	34	43	71	60	44	39	61	56	62	61	67	49	49	61	48	56	51	45	50.5
	Minimum	14	30	34	19	32	44	25	11	8	20	32	34	25	11	18	32	39	21	27	35	37	40	35	38	34	24	26	35	33	38	31	28.5
Phillipsburg	Maximum	40	55	48	41	50	66	53	35	44	47	52	57	39	38	47	75	64	46	44	64	59	66	61	60	50	53	61	49	58	61	46	52.5
	Minimum	12	26	32	24	34	45	33	23	17	25	41	32	29	25	24	37	35	26	31	35	43	35	36	42	37	31	28	38	33	38	36	31.7
Sussex	Maximum	40	53	49	42	46	66	55	38	45	46	54	53	41	36	46	73	72	50	46	62	58	71	64	56	53	48	61	61	59	57	46	53.1
	Minimum	4	27	34	18	32	41	26	16	2	16	38	37	26	13	16	27	47	21	26	30	36	37	31	39	33	24	23	33	33	40	32	27.7
The Red Sandstone Plain.																																	
Boonton§§	Maximum	31	48	48	47	54	67	54	37	34	43	55	45	44	30	38	72	58	53	43	60	50	62	60	52	45	40	60	42	46	53	47	49.0
	Minimum	6	14	30	20	26	34	35	22	15	20	23	42	28	20	23	27	37	25	26	32	39	39	32	37	34	29	26	34	38	39	34	28.6
Canoe Brook§§	Maximum	44	54	48	48	57	68	57	37	40	50	56	50	43	38	57	76	67	65	54	65	57	65	60	59	49	51	61	52	57	58	54	54.6
	Minimum	1	22	32	17	31	43	35	23	12	16	34	41	27	20	22	26	54	24	27	28	35	39	28	41	30	23	19	23	31	34	28	27.9
Elizabeth	Maximum	40	56	43	47	60	70	71	33	37	48	55	54	48	42	48	77	78	56	46	65	67	69	68	58	60	53	63	65	59	56	54	56.3
	Minimum	9	27	28	28	35	48	32	26	19	22	43	42	29	27	26	31	49	27	28	36	42	39	39	43	41	32	25	40	34	40	36	33.0
Flemington	Maximum	42	60	54	44	57	70	58	36	46	47	54	61	43	41	50	79	69	50	43	68	60	69	66	64	55	57	67	58	60	65	52	56.3
	Minimum	9	23	38	23	31	45	33	23	17	24	43	40	28	27	26	31	46	25	26	35	41	43	34	42	35	32	26	36	35	41	35	32.0
Jersey City	Maximum	41	58	50	43	58	69	49	35	41	46	54	60	40	40	47	76	66	47	43	65	56	66	58	59	50	53	59	53	58	58	47	53.1
	Minimum	19	34	37	30	36	47	31	27	17	28	45	35	29	30	27	37	42	26	32	41	42	48	41	42	40	30	32	41	38	40	37	34.9
Lambertville	Maximum	39	57	52	41	57	67	48	36	40	45	51	60	39	46	48	75	65	46	42	63	56	73	58	58	49	50	59	56	54	60	52	53.0
	Minimum	15	29	38	24	31	43	32	28	15	23	43	39	27	27	24	36	42	22	28	38	47	44	39	40	35	30	25	34	40	38	34	32.6
Little Falls§§	Maximum	40	58	49	47	57	69	57	39	43	48	58	48	44	38	52	78	70	63	51	65	55	67	62	60	50	52	64	51	59	60	51	55.0
	Minimum	7	18	36	21	33	39	35	22	14	21	41	42	28	22	24	29	50	24	28	32	39	40	34	42	36	28	29	37	36	40	34	31.0
New Brunswick	Maximum	41	57	55	44	60	69	65	36	39	48	53	61	42	37	49	77	74	48	42	63	61	64	62	58	55	51	60	58	57	59	56	54.9
	Minimum	10	26	41	25	33	48	31	27	16	22	44	41	28	27	26	32	47	25	27	37	42	43	38	43	37	30	26	36	34	43	36	32.9
Paterson	Maximum	40	57	50	42	56	69	48	34	40	44	59	56	41	38	48	78	69	48	41	65	58	65	63	59	52	51	63	54	60	56	48	53.3
	Minimum	10	28	39	22	35	46	31	22	14	22	42	40	29	24	24	30	44	25	29	34	40	42	35	43	37	30	27	37	35	40	35	32.0
Plainfield	Maximum	42	59	52	41	58	70	52	37	42	44	54	59	41	37	50	78	68	49	48	66	57	67	58	61	50	56	61	54	59	60	45	53.9
	Minimum	11	30	38	25	35	48	31	27	17	24	42	36	29	28	27	31	43	25	30	32	42	45	39	40	38	29	27	33	37	40	37	32.9
Ridgefield	Maximum	41	58	47	42	57	69	42	34	38	47	54	56	38	39	45	78	69	44	41	65	53	64	61	58	48	50	62	52	59	57	46	52.1
	Minimum	16	32	32	24	36	42	30	21	15	24	46	32	29	27	26	34	30	26	29	36	41	42	40	41	36	28	28	38	37	42	35	32.1
Somerville	Maximum	41	58	51	44	58	69	64	47	40	47	54	60	42	37	49	78	70	48	44	65	62	66	61	60	56	52	61	57	58	61	55	55.3
	Minimum	6	23	35	20	34	45	32	27	16	22	42	41	28	24	24	30	46	24	26	32	42	40	32	42	34	28	23	36	33	38	35	31.0
New York, N. Y.	Maximum	40	56	48	44	59	68	46	33	40	47	54	60	38	41	44	74	64	44	43	65	54	64	57	53	49	50	58	52	55	56	47	51.9
	Minimum	22	35	32	30	36	46	31	23	17	29	46	32	29	30	27	38	31	26	33	42	42	48	42	43	40	30	33	41	39	40	37	34.5
The Southern Interior.																																	
Belleplain	Maximum	43	59	60	43	63	75	67	39	43	55	64	62	49	43	47	73	68	50	54	65	66	64	56	62	56	53	56	57	57	69	55	57.2
	Minimum	14	35	36	24	40	50	36	30	18	17	41	42	29	26	24	37	49	26	24	38	43	40	33	48	31	31	23	33	34	45	37	33.4
Bridgeton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Burlington	Maximum	43	60	58	46	60	70	70	38	42	50	55	65	44	41	49	75	76	54	49	65	63	66	65	60	59	52	60	58	58	61	60	57.2
	Minimum	14	33	38	27	34	46	35	30	21	23	46	42	30	29	28	33	49	27	29	40	42	42	36	45	37	33	28	36	39	47	37	34.7
Camden	Maximum	43	62	56	46	62	73	54	36	41	51	60	62	38	42	49	78	69	50	46	65	57	67	58	60	46	53	62	59	60	63	44	55.2
	Minimum	18	34	35	27	34	50	33	27	21	24	48	33	30	31	29	33	36	28	32	41	47	42	39	43	39	35	30	38	41	42	38	34.8
Freehold	Maximum	41	58	52	42	64	69	60	35	38	49	54	63	41	37	49	76	66	52	43	63	56	65	63	58	55	50	59	55	57	59	52	54.2
	Minimum	15	34	42	23	33	51	32	27	16	22	46	41	28	27	25	38	60	24	27	36	42	44	37	34	38	30	26	36	35	45	36	33.9
Hammonton	Maximum	40	46	46	47	55	55	42	30	32	53	56	56	34	34	48	59	58	48	47	59	69	65	49	49	41	41	52	52	51	51	42	48.6
	Minimum	24	40	27	30	47	41	30	19	23	22	53	29	28	26	30	48	27	31	36	42	39	41	46	39	32	28	37	35	35	38	38	34.5
Hightstown	Maximum	43	57	51	43	60	69	62	35	41	50	54	63	41	48	50	77	68	55	43	64	56	64	61	58	57	51	66	55	58	60	51	55.2
	Minimum	13	30	40	24	34	50	34	29	18	23	46	41	29	28	26	33	55	25	28	37	41	45	36	42	36	30	24	38	36	45	36	33.9
Indian Mills	Maximum	44	61	57	47	68	75	68	36	44	53	59	64	43	41	50	81	71	50	49	64	59	66	63	60	54	51	63	58	60	65	60	57.5
	Minimum	12	32	38	27	38	51	36	29	20	19	46	40	29	26	24	32	50	26	27	38	43	42	34	36	31	32	31	36	32	45	38	33.5
Lakewood	Maximum	42	58	54	44	66	71	65	35	36	50	56	63	43	39	48	79	70	50	49	62	58	65	60	59	52	52	59	55	57	61	58	55.4
	Minimum	14	34	43	26	38	55	34	30	20	21	46	43	30	28	28	35	50	28	28	40	42	40	34	46	33	33	26	36	36	48	39	35.0
Moorestown	Maximum	42	60	60	44	62	72	57	36	42	50	64	63	36	41	50	77	64	47	45	63	58	66	60	59	47	52	59	59	58	62	49	55.0
	Minimum	17	37	53	32	36	51	34	26	24	23	31	33	30	29	27	34	36	31	29	39	46	44	38	42	38	35	29	37	38	39	39	34.7
Pemberton	Maximum	44	60	57	45	65	72	65	36	44	52	56	64	42	40	52	79	75	50	45	65	62	67	61	61	57	54	61	57	58	64	57	57.0
	Minimum	13	35	41	27	35	50	35	30	20	23	47	42	30	28	27	36	49	27	32	40	42	40	38	45	36	33	27	40	36	47	38	35.1
Pleasantville§§	Maximum	42	63	59	59	59	77	58	43	39	52	62	48	41	40	55	74	71	50	53	61	59	66	59	63	50	53	52	56	60	68	43	56.0
	Minimum	14	25	36	23	24	43	40	31	19	18	37	45	30	26	24	24	47	27	26	40	43	37	32	46	33	33	21	21	32	44	38	31.6
Runyon	Maximum	43	58	56	44	61	68	42	38	39	48	60	40	38	48	51	79	70	47	46	67	67	67	69	63	51	54	55	62	54	64	59	55.1
	Minimum	−6	26	32	14	30	36	32	28	13	24	14	34	30	21	22	38	47	26	23	32	37	28	28	43	28	26	25	36	16	43	38	27.9
Trenton	Maximum	42	59	51	43	59	70	49	35	39	49	57	63	37	39	49	75	65	47	44	64	58	65	58	58	46	51	60	56	58	60	43	53.2
	Minimum	20	34	34	27	36	48	31	25	19	27	47	32	28	30	28	37	34	27	31	41	44	46	42	44	39	32	31	38	39	40	36	34.4
Tuckerton	Maximum	40	60	62	50	52	64	70	36	35	55	60	60	40	45	60	55	45	45	55	50	60	50	55	63	45	40	50	45	50	58	45	51.6
	Minimum	26	38	40	40	40	40	40	28	26	39	40	38	33	32	40	34	36	42	40	39	45	40	38	44	40	34	32	38	40	41	36	37.4
Philadelphia, Pa.	Maximum	42	60	56	44	59	71	54	36	40	50	62	62	38	43	49	75	66	47	48	65	61	67	62	61	49	54	57	58	58	64	44	54.9
	Minimum	25	37	36	31	39	51	34	29	23	29	48	34	30	32	30	39	35	30	33	45	46	51	48	47	41	36	36	41	42	42	38	37.4
The Sea Coast.																																	
Atlantic City	Maximum	41	51	61	46	54	75	50	37	35	46	53	57	40	38	42	54	64	39	49	56	57	66	56	63	49	49	47	54	58	68	44	51.6
	Minimum	25	39	36	31	42	48	37	28	23	34	44	38	31	34	29	41	37	30	37	43	42	47	45	49	40	37	33	43	38	44	40	37.6
Long Branch	Maximum	40	59	51	39	65	70	43	35	34	50	56	64	38	39	44	81	71	37	43	59	55	65	61	60	46	51	53	56	58	60	43	52.5
	Minimum	15	34	34	30	36	43	32	28	23	25	44	35	29	28	28	39	33	28	29	39	44	44	43	46	36	34	26	39	37	40	38	34.2
Sandy Hook	Maximum	38	55	46	37	59	63	42	34	35	47	50	59	39	37	41	70	64	40	41	60	51	60	57	57	46	51	56	53	56	58	42	49.7
	Minimum	23	33	34	30	36	42	32	29	22	30	42	36	30	31	30	38	36	29	33	39	41	44	41	43	39	35	34	40	40	40	37	35.1

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pleasantville**	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Runyon	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

51.05
NNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE
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UNIVERSITY OF ILLINOIS

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XL. APRIL, 1935. No. 4.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month as a whole was cloudy and moderately cold but with only about two-thirds of the normal amount of precipitation. During the first two decades the temperature averaged below normal daily, except on the 2d and 3d, while during the third decade it was almost continuously above it. The highest temperatures occurred on the 27th and were up in the high eighties except for two stations that reported ninety and ninety-one. The lowest for the month were below the freezing point and were variously registered on the 4th, 5th and 16th. No material damage by frost occurred, probably due to the lateness of the season which is estimated at the close of the month to be about two weeks. However, vegetation developed rapidly during the last few days under the influence of the warm weather then setting in.

Precipitation occurred almost daily during the first half of the month, while during the second half about all that occurred came on the 30th. The results for the month as a whole, in percentages of the normal amount, were as follows: The Highlands, 44%; Red Sandstone Plain, 51%; Southern Interior, 83%; Sea coast, 69%; The State, 63%. Snow of light amounts fell at practically all stations and occurred generally on the 16th. In nearly all cases, except in the most northern districts, the amount was less than an inch.

Forest fires became menacing during the last few days of the month as a result of the dry conditions, strong winds and high temperatures.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 48.7°, which was 1.0° below normal. The highest temperature was 91° at Runyon on the 28th, and the lowest, 22°, at Layton and Charlotteburg on the 4th and 16th respectively. The greatest daily range of temperature was 65° at Runyon on the 27th. The highest monthly mean temperature was 51.4° at Burlington, and the lowest, 45.4° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.7°; Red Sandstone Plain, +0.3°; Southern Interior, +0.1°; Sea Coast, +0.6°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 46 stations, was 2.27 inches, which was 1.34 inches below normal. The average total snowfall at 20 selected stations was 0.3 inch. The greatest monthly precipitation was 4.30 inches, at Lakewood, and the least, 1.15 inches at Culvers Lake. The greatest amount of precipitation in any 24 consecutive hours was 2.40 inches at Lakewood on the 9th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 10, or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —2.68 inches; Red Sandstone Plain, —4.16 inches; Southern Interior, —0.97 inch; Sea Coast, —2.57 inches.

WIND.

The prevailing wind direction was from the Northwest. The wind movement averaged 15 miles per hour, which was 2 miles above normal. The highest velocity, sustained for 5 consecutive minutes, was 56 miles per hour from the northeast at Atlantic City on the 8th.

MISCELLANEOUS.

The per cent of possible sunshine was 50, or 7 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 29.88 inches, or 0.12 inch below normal. The highest reading was 30.26 inches on the 4th at Sandy Hook, and the lowest 29.38 inches at Long Branch on the 15th.

The mean stage of the Delaware River at Phillipsburg was 4.2 feet, and the highest 4.9 feet on the 15th. At Trenton the mean stage was 2.6 feet, with the highest of 3.0 feet occurring on the 1st.

Dense fog occurred only in the coastal region on the 12th, 29th and 30th. Thunderstorms occurred throughout the State on either the 29th or the 30th. Sleet which fell during the month was mostly confined to the 8th and 9th although it was also noted on the 5th, 6th and 7th. Killing frost occurred in the northern section of the State as late as the 26th, in the central sections mostly around the 17th, and in the southern and coastal sections on the 5th.

COMPARATIVE DATA FOR APRIL

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	−1.3	88	26	2.79	−0.82	2.86	0.89	......	....	....	....	....
1886	50.6	+0.9	86	27	3.40	−0.21	5.48	1.86	......	....	....	....	....
1887	47.3	−2.4	87	16	2.70	−0.91	3.77	0.91	......	7	....	....	....
1888	47.9	−1.8	92	22	3.28	−0.33	4.68	1.89	......	9	....	....	....
1889	51.2	+1.5	83	25	5.32	+1.71	7.25	2.92	......	12	....	....	....
1890	50.4	+0.7	86	21	2.65	−0.96	4.58	1.89	......	8	....	....	....
1891	52.0	+2.3	88	20	2.19	−1.42	3.80	1.39	......	8	13	11	6
1892	49.3	−0.4	87	19	2.49	−1.12	4.41	1.05	......	8	9	13	8
1893	49.2	−0.5	82	19	5.21	+1.60	7.12	2.97	......	11	9	10	12
1894	50.3	+0.6	88	10	3.09	−0.52	4.86	1.71	......	9	12	9	9
1895	49.1	−0.6	89	19	4.88	+1.27	7.75	3.47	T.	10	11	7	12
1896	52.4	+2.7	**98**	12	**1.35**	−2.26	2.30	0.64	3.1	7	13	10	7
1897	50.4	+0.7	89	19	3.79	+0.18	6.98	2.17	T.	9	14	11	5
1898	47.8	−1.9	81	13	3.74	+0.13	4.94	2.17	2.9	11	8	11	11
1899	49.9	+0.2	88	18	1.73	−1.88	3.25	**0.48**	T.	4	16	10	4
1900	50.8	+1.1	82	18	2.29	−1.32	3.03	1.59	T.	6	14	9	7
1901	48.3	−1.4	89	23	6.31	+2.70	**10.22**	3.46	0	12	8	7	15
1902	50.2	+0.5	93	20	3.62	+0.01	5.99	2.45	0	9	10	11	9
1903	50.9	+1.2	92	18	3.97	+0.36	7.03	2.40	0	9	13	7	10
1904	46.7	−3.0	85	16	3.42	−0.19	4.71	2.00	0.1	10	9	12	9
1905	49.9	+0.2	84	18	2.88	−0.73	4.03	1.53	0.1	10	12	11	7
1906	51.2	+1.5	87	17	3.64	+0.03	6.42	1.17	T.	8	15	10	5
1907	**45.2**	−4.5	83	19	3.78	+0.17	8.67	2.06	4.8	11	11	9	10
1908	51.2	+1.5	93	13	2.72	−0.89	3.86	1.42	T.	11	14	9	7
1909	50.2	+0.5	88	17	5.97	+2.36	8.90	3.84	0.8	13	10	11	9
1910	53.5	+3.8	88	20	5.34	+1.73	7.56	3.43	0	12	9	11	10
1911	47.4	−2.3	88	14	4.11	+0.50	5.58	2.87	2.6	11	10	10	10
1912	50.4	+0.7	82	18	3.56	−0.05	6.02	1.81	0	14	9	10	11
1913	52.1	+2.4	89	19	5.78	+2.17	8.53	4.14	T.	11	14	7	9
1914	48.4	−1.3	89	16	3.67	+0.06	4.78	2.35	0	11	13	10	7
1915	54.4	+4.7	96	20	2.71	−0.90	4.13	1.28	**11.5**	9	14	10	6
1916	48.2	−1.5	85	21	3.32	−0.29	6.14	0.90	4.4	13	10	9	11
1917	48.8	−0.9	88	21	2.39	−1.22	3.54	1.19	4.7	9	15	8	7
1918	49.8	+0.1	81	22	4.05	+0.44	5.79	2.88	2.6	12	11	8	11
1919	49.3	−0.4	85	15	3.06	−0.55	4.79	2.20	T.	10	13	7	10
1920	48.0	−1.7	85	13	4.50	+0.89	6.06	2.90	T.	13	12	9	9
1921	**56.3**	+6.6	87	20	3.57	−0.04	5.20	1.86	0.4	11	13	6	11
1922	51.0	+1.3	89	18	2.55	−1.06	4.12	1.57	T.	10	15	7	8
1923	50.0	+0.3	91	**3**	3.55	−0.06	6.59	2.27	0.5	9	16	6	8
1924	48.0	−1.7	81	18	6.15	+2.54	9.23	4.74	6.6	11	15	6	9
1925	51.4	+1.7	88	15	2.40	−1.21	3.35	1.31	0	9	15	7	8
1926	46.4	−3.3	87	14	2.05	−1.56	2.97	1.39	T.	8	13	10	7
1927	47.5	−2.3	93	17	2.42	−1.19	3.97	1.00	0.3	9	14	7	9
1928	47.4	−2.3	85	16	5.26	+1.65	7.16	3.82	0.9	12	12	8	10
1929	51.1	+1.4	94	25	**6.43**	+2.82	8.74	4.63	T.	15	10	5	15
1930	47.6	−2.1	79	18	2.34	−1.27	3.72	0.50	T.	9	13	7	10
1931	49.8	+0.1	80	20	2.85	−0.76	5.17	1.53	T.	9	15	6	9
1932	48.3	−1.4	82	18	2.71	−0.90	4.69	1.16	0.1	7	15	7	8
1933	50.4	+0.7	85	20	4.84	+1.23	7.09	3.52	0.2	11	12	7	11
1934	49.4	−0.3	85	21	3.89	+0.28	6.42	1.74	T.	13	15	6	9
1935	48.7	−1.0	91	22	2.27	−1.34	4.30	1.15	0.3	10	10	8	12
Period	49.7	....	98	3	3.61	....	10.22	0.48	1.2	10	12	9	9

W. B. O. Philadelphia-6-4-35-900

Climatological Data for April, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	50.2	+0.6	89	27	29	16	38	1.51	−2.25	0.53	T.	7	17	6	7	....	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	47.2	+0.6	86	27†	22	16	51	2.17	−2.15	0.85	0.9	9	16	4	10	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	....	....	....	....	26	16	....	1.15	−2.38	0.48	2.9	7	10	10	10	ne.	Brice E. Riker.
Dover	Morris	600	51	47.0	−0.4	86	27	28	16	44	1.87	−2.19	0.48	T.	12	3	15	12	....	William C. Harris
Layton	Sussex	480	34	45.4	−1.7	86	27	22	4	54	1.69	−1.80	0.76	T	7	10	1	19	ne.	A. M. Depue.
Long Valley	Morris	520	5	46.0	....	85	27	26	5†	48	1.26	....	0.48	0.5	5	9	8	13	w.	S. N .Dilts.
Newton	Sussex	769	52	46.5	−1.5	86	27	27	16	37	1.44	−2.09	0.52	0.5	11	7	5	18	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	49.2	−0.4	86	27	31	16	46	1.87	−1.52	0.65	T.	10	14	6	10	....	Town Engineer.
Sussex	Sussex	442	40	47.5	−0.9	89	27	27	4	49	1.43	−2.10	0.42	2.6	8	12	5	13	....	A. J. W. Mowatt
Means and extremes	....	....	....	47.4	−0.5	89	27	22	4†	54	1.60	−2.06	0.85	0.8	8	11	7	12	ne.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	47.2	−0.9	87	27	29	4†	47	1.51	−2.39	0.58	....	9	11	5	14	ne.	John Kline.
Canoe Brook	Essex	173	5	47.1	....	85	27	24	4	50	2.15	....	1.03	....	8	13	12	5	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	....	....	....	....	....	....	....	2.26	−1.96	1.17	....	10	12	6	12	....	Paul Molitor. Sr.
Elizabeth	Union	45	56	49.9	−1.0	85	29	30	16	40	1.75	−2.09	0.65	T.	8	19	2	9	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	50.0	−0.2	85	27	29	5	45	2.22	−1.40	0.53	1.0	10	15	4	11	nw.	Hiram E. Deats.
Jersey City	Hudson	10	37	50.3	+1.0	85	27	30	16	31	1.65	−2.10	0.52	T.	10	6	12	12	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	48.6	−1.6	81	27	28	16†	35	2.12	−1.68	0.57	2.0	14	10	6	14	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	49.0	+0.7	87	27	29	14	46	2.06	−2.10	0.79	T.	10	10	7	13	nw.	Passaic Valley Water Co
Newark	Essex	30	....	49.5	−0.7	86	27	31	16	38	1.48	−2.28	0.58	0.2	12	....	....	....	....	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	48.6	−1.1	83	27	29	5	37	2.26	−1.35	0.94	T.	13	12	10	8	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	....	....	....	....	....	....	....	1.51	−1.91	0.46	....	9	....	....	....	....	Hackensack Water Co
Paterson	Passaic	80	65	49.6	−1.1	87	27	31	5†	44	1.63	−2.20	0.58	0.5	8	10	8	12	nw.	William H. Meyer.
Plainfield	Union	120	47	49.6	+0.2	86	27	31	5†	43	2.48	−1.31	1.02	0.2	11	5	12	13	nw.	S. K .Pearson.
Ridgefield	Bergen	80	18	49.1	+1.2	85	27	32	16†	35	1.86	−1.59	0.61	0.1	11	8	10	12	nw.	George P. Kirsten.
Somerville	Somerset	70	52	....	....	85	27	....	....	....	1.98	−1.68	0.64	T.	10	7	11	12	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	....	....	....	....	....	....	....	1.84	−1.60	0.51	....	12	....	....	....	....	Hackensack Water Co.
New York, N. Y.	....	314	65	49.5	+0.1	81	27	30	16	28	1.61	−1.62	0.54	T.	12	6	11	13	nw.	U. S. Weather Bureau.
Means and extremes	....	....	....	49.0	−0.4	87	27	24	4	50	1.92	−1.84	1.17	0.4	10	11	8	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	48.4	−1.7	83	27†	30	4†	40	3.53	−0.17	1.58	T.	8	10	7	13	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	50.0	−2.3	87	27	30	16	33	2.24	−1.36	1.28	0	9	15	3	12	nw.	Bennett K. Matlack
Burlington	Burlington	12	§49	51.4	−0.6	90	28	31	5†	41	4.27	+0.53	0.82	T	13	9	9	12	nw.	Public Service G. & E. Co.
Camden	Camden	20	3	50.9	....	84	27	32	5	34	2.06	....	0.83	T	7	3	11	16	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	48.0	....	86	27	29	5	41	3.47	−0.17	2.00	T.	11	16	6	8	w.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	....	....	....	....	31	16	....	3.23	−0.55	1.95	T	9	16	4	10	ne.	Geo. W. Lobley.
Hightstown	Mercer	110	42	49.0	−1.4	79	27†	29	5†	36	2.52	−1.37	0.99	1.2	14	13	5	12	nw.	Braun Bros.
Indian Mills‡‡	Burlington	76	46	49.4	−1.1	84	27	28	5	44	2.66	−1.14	0.67	0.2	11	6	10	14	nw.	James M. Armstrong.
Lakewood	Ocean	54	31	49.6	+0.1	86	27	29	5	37	4.30	+0.35	2.40	T.	12	9	3	18	nw.	R. W. Holman.
Maple Shade	Burlington	65	....	50.7	....	84	27	32	5†	38	2.64	....	0.94	T.	9	7	8	15	nw.	Richard J. Smith.
Moorestown	Burlington	62	72	50.0	−0.5	83	27	31	5	36	2.88	−0.77	1.47	T	10	8	10	12	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	....	....	....	....	....	....	....	2.90	−0.42	....	....	13	....	....	....	....	William L. Flick.
Pemberton	Burlington	55	5	50.2	....	85	27	31	5†	41	1.97	....	0.45	T.	11	12	6	12	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	48.1	....	84	28	27	4	41	3.14	−0.28	1.58	....	10	14	4	12	ne.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	48.6	....	91	28	24	26†	65	3.25	−0.71	1.79	....	8	15	9	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	49.6	−0.2	82	27	30	5	34	1.46	−1.48	0.61	T.	12	4	11	15	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	....	....	....	....	....	....	....	1.83	....	0.65	0.4	11	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	42	45.5	−4.1	72	28	30	30	27	2.99	−0.78	1.41	T.	16	11	7	12	ne.	John H. Brown.
Philadelphia, Pa	....	114	64	51.6	−0.5	83	27	32	16	32	2.12	−0.93	1.02	T.	9	4	10	16	n.	U. S. Weather Bureau.
Means and extremes	....	....	....	49.3	−1.3	91	28	24	26†	65	2.85	−0.59	2.40	0.1	11	11	7	12	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	48.4	+0.6	82	28	31	16	28	2.93	−0.06	1.41	T.	12	3	11	16	ne.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	48.0	−0.2	83	27	29	5	37	2.74	−1.53	1.35	T.	13	5	9	16	nw.	William D. Martin.
Sandy Hook	Monmouth	22	37	48.2	−0.1	79	27	32	16	27	1.85	−1.77	0.49	T.	13	7	13	10	ne.	U. S. Weather Bureau.
Means and extremes	....	....	....	48.2	+0.1	83	27	29	5	37	2.51	−1.12	1.41	T.	13	5	11	14	ne.	
For the State	....	....	....	48.7	−1.0	91	28	22	4†	65	2.27	−1.34	2.40	0.3	10	10	8	12	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for April, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	T.	....	....	....	.05	....	....	T.	.53	....	T.	.30	.05	T.	.05	T.	....	....	....	....	....	....	....	....	....	....	....	.04	....	.49	....	1.51
Charlotteburg	Passaic	....	....	....	....	....	.04	....	....	.85	.12	....	.26	.31	....	....	.07	.03	....	....	....	....	....	....	....	....	....	....	.01	....	.48	....	2.17
Culvers Lake	Delaware	T	....	....	....	T.	.06	....	.09	.48	....	....	.32	....	....	.01	T.	.04	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	1.15
Dover	Passaic	....	....	....	....	*	.06	....	.09	.48	.04	*	.27	.34	....	.10	.03	....	....	....	....	....	....	....	....	....	....	....	.03	....	.43	....	1.87
Layton	Delaware	....	....	....	....	....	T.	....	.13	.22	T.	....	.40	.08	T.	.07	T.	.03	....	....	....	....	....	....	....	....	....	....	....	....	.76	....	1.69
Long Valley	Morris	....	....	....	....	T.	....	....	....	.37	....	....	.10	.18	....	.13	T.	T.	....	....	....	....	....	....	....	....	....	....	....	....	.48	....	1.26
Newton	Delaware	T.	....	....	....	....	.06	....	.02	.52	.03	....	....	.23	.01	.16	.02	.01	....	....	....	....	T.	....	T.	....	....	....	.04	....	.34	....	1.44
Phillipsburg	....do	T.	....	....	....	.25	.08	....	.08	.36	T.	T.	.20	.01	T.	.11	T.	....	....	....	....	....	T.	....	....	....	....	.04	.04	T.	.65	....	1.87
Sussex	Hudson	.02	....	....	....	....	.25	....	.03	.42	....	....	.31	.21	....	.04	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	1.43
The Red Sandstone Plain.																																	
Boonton ‖‖	Passaic	....	....	....	....	....	.05	....	....	.58	.18	T.	.12	.22	.02	....	.12	.01	....	....	....	....	....	....	....	....	....	....	....	....	.21	....	1.51
Canoe Brook ‖‖	Essex	....	T.	....	....	....	.10	....	....	1.03	.17	....	.13	.22	....	....	T.	.06	....	....	....	....	....	.03	....	....	....	....	....	....	.41	....	2.15
Chatham ‖	....do	....	T.	....	....	....	.11	....	....	1.17	.26	.04	.12	.23	.04	....	T.	.02	....	....	....	....	....	.02	....	....	....	....	....	....	.25	....	2.26
Elizabeth	Coast	T.	....	....	....	....	.20	....	T.	.05	.05	T.	.20	.18	....	T.	.04	.03	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	1.75
Flemington	Raritan	.01	....	....	....	T.	.52	....	.03	.53	.08	T	.20	.22	T.	.13	.06	....	....	....	....	....	T.	....	T.	....	....	....	....	....	.44	....	2.22
Jersey City	Coast	T.	T.	....	....	T.	.14	....	.05	.52	.02	.01	.17	.21	T	.03	T.	.03	....	....	....	....	T.	T.	T.	....	....	....	....	....	.47	....	1.65
Lambertville	Delaware	.01	....	....	....	.02	.33	....	.14	.57	.08	.04	.24	.12	T.	.08	.13	.03	....	....	....	....	T.	....	.02	....	....	....	....	....	.31	....	2.12
Little Falls ‖‖	Passaic	....	....	....	....	....	.04	....	....	.79	.29	.01	.17	.30	.01	....	.02	.03	....	....	....	....	....	....	....	....	....	....	....	....	.40	....	2.06
Newark***	Coast	T.	T.	....	....	.10	.02	....	.10	.58	.01	.04	.21	.04	T.	.02	.02	T.	T.	....	....	....	T.	T.	T.	....	....	....	T.	.02	.32	....	1.48
New Brunswick	Raritan	.02	....	....	....	....	.34	....	.04	.94	.08	.01	.09	.22	T.	.02	.08	.03	....	....	....	....	T.	T.	.03	....	....	....	....	....	.36	....	2.26
New Milford ‖‖	Hackensack	....	....	....	....	....	.06	....	....	.31	.46	....	.06	.24	.02	....	.03	.02	....	....	....	....	....	....	....	....	....	....	....	....	.31	....	1.51
Paterson	Passaic	T.	....	....	....	....	.05	....	....	.58	.03	T.	.15	.17	....	.05	T.	.06	....	....	....	....	....	....	....	....	....	....	....	....	.54	....	1.63
Plainfield	Raritan	.01	....	....	....	T.	.42	....	.10	1.02	.04	.03	.18	.12	T.	.05	.03	T.	....	....	....	....	T.	....	T	....	....	....	....	....	.48	....	2.48
Ridgefield**	Hackensack	T.	....	....	....	.02	.07	....	.07	.61	.10	.03	.09	.29	T.	.07	T.	.03	....	....	....	....	T.	....	T.	....	....	....	....	T.	.48	....	1.86
Somerville	Raritan	....	....	....	....	....	.40	....	.06	.45	.08	....	.17	.10	....	.02	.02	.04	....	....	....	....	....	....	....	....	....	....	....	....	.64	....	1.98
Woodcliff Lake ‖‖	Hackensack	....	.01	....	....	....	.05	....	....	.32	.51	.02	.12	.28	.04	....	.05	.03	....	....	....	....	....	.01	....	....	....	....	....	....	.40	....	1.84
New York, N. Y***	Coast	T.	T.	....	....	.11	.03	....	.18	.38	.01	.07	.21	.11	T.	.03	.03	T.	....	....	....	....	T.	T.	T.	....	....	....	....	.06	.39	....	1.61
The Southern Interior.																																	
Belleplain	Tuckahoe	.35	....	....	....	....	.30	T.	.45	1.58	T.	T.	.10	.15	....	....	.10	....	....	....	....	T.	T.	....	....	....	....	....	....	....	.50	....	3.53
Bridgeton	Delaware	.11	....	....	....	.19	....	.04	1.28	.08	T.	.05	.07	....	T.	.04	....	....	....	....	....	T.	....	....	....	....	....	....	....	.38	....	....	2.24
Burlington	Delaware	.02	....	....	....	.50	.35	....	.47	.63	.06	.20	.12	.70	.02	.30	.40	T.	T.	....	....	....	....	....	....	....	....	....	....	....	.50	....	4.27
Camden**	..do	....	....	....	....	.46	....	....	.33	.27	T.	T.	.08	....	....	.08	T.	....	....	....	....	....	....	....	....	....	....	....	....	.28	.06	....	2.06
Freehold	Raritan	.03	....	....	....	....	.30	....	.15	2.00	.05	.03	.14	.28	....	.02	T.	.11	....	....	....	....	....	....	....	....	....	....	....	....	.36	....	3.47
Hammonton	Mullica	.05	....	....	....	.48	....	....	1.95	.17	.01	.08	.17	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	....	....	.27	.05	....	3.23
Hightstown	Raritan	.01	....	....	....	.25	.07	....	.16	.99	.03	.02	.08	.19	.01	.04	.13	.02	T.	....	....	....	T.	....	T.	....	....	....	....	....	.52	....	2.52
Indian Mills	Mullica	.08	....	....	....	.07	.62	....	.50	.67	.10	T.	.07	.12	....	.11	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	.30	....	2.66
Lakewood	Metedeconk	.05	....	....	....	.03	.46	....	.35	2.40	.07	T.	.24	.25	T.	.02	.13	.05	....	....	....	....	....	....	T.	....	....	....	....	....	.25	....	4.30
Maple Shade	Delaware	T.	....	T.	....	.15	.37	....	.47	.94	.04	T.	.10	.03	T.	.08	T.	T.	....	....	....	....	T.	....	....	....	....	....	....	....	.46	....	2.64
Moorestown ‖‖	....do	.01	....	....	....	.53	....	.02	1.47	.15	.01	.10	.10	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	....	....	.40	.09	....	2.88
Northfield	Coast	.15	....	....	....	T.	.26	....	*	*	*	*	*	*	*	*	2.08	....	....	....	....	.05	T.	....	T.	....	....	....	....	....	.36	....	2.90
Pemberton	Delaware	.02	....	....	....	.08	.41	....	.32	.45	.08	T.	.05	.10	T.	.09	T.	.03	....	....	....	....	....	....	T.	....	....	....	....	....	.34	....	1.97
Pleasantville ‖‖	Coast	.17	.13	....	....	....	.26	....	....	1.58	.12	....	.16	.30	....	....	.07	....	....	....	....	....	.03	T.	....	....	....	....	....	....	.32	....	3.14
Port Norris	Maurice	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Coast	....	....	....	....	....	.43	....	.02	1.79	....	....	.18	.16	....	....	.08	....	....	....	....	....	....	....	.06	....	....	....	....	....	.53	....	3.25
Trenton***	Delaware	.01	....	....	....	.23	.02	....	.42	.22	.02	.06	.10	.02	T.	.07	T.	T.	....	....	....	....	T.	....	T.	....	....	....	T.	.13	.16	....	1.46
Trenton No. 2 ‖‖	....do	.03	.02	....	....	....	.29	....	.03	.65	.09	....	.14	.11	....	T.	.11	.02	T.	....	....	....	....	T.	....	T.	....	....	....	....	.34	....	1.83
Tuckerton	Coast	....	.11	....	.09	.06	.34	....	.11	1.41	.10	.07	.10	.16	.10	....	.06	.02	....	....	....	.04	.06	....	....	....	....	....	....	....	.16	....	2.99
Phila., Pa***	Delaware	T.	....	T.	....	.51	.03	....	.79	.28	T.	.04	.12	....	T.	.04	T.	....	....	....	....	....	T.	....	....	....	....	....	....	.23	.08	....	2.12
The Sea Coast.																																	
Atlantic City***	Coast	.22	....	....	....	.21	.07	T.	1.03	.45	.02	.07	.25	.05	T.	.10	T.	....	....	....	....	.13	T.	....	T.	....	....	....	....	....	.33	....	2.93
Long Branch**	....do	.03	T.	....	....	.31	.04	....	.26	1.35	T.	.08	.23	.06	....	.09	T.	T.	....	....	....	....	.02	....	.03	....	....	....	....	.04	.20	....	2.74
Sandy Hook***	....do	T.	....	....	....	.35	.03	....	.12	.41	T.	.06	.19	.12	T.	.06	.01	.01	....	....	....	....	.02	....	T.	....	....	....	....	.24	.23	....	1.85

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level‖)					Wind				Relative humidity‡			Percentage of sunshine.
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	29.90	30.21	4	29.42	15	18.6	56	ne.	8	79	67	76	42
Long Branch	......	30.24	4	29.38	15	......	......	......	......	70	49	50	51
New York, N. Y	29.86	30.24	4	29.40	15	15.1	49	nw.	15	70	56	66	52
Philadelphia, Pa	29.91	30.22	4	29.43	15	14.3	43	e.	8	62	48	57	50
Ridgefield	29.86	30.25	4	29.40	15	......	......	......	......	......	......	......	......
Sandy Hook	29.88	30.26	4	29.40	15	16.2	48	ne.	8	72	58	72	53
Trenton	29.90	30.24	4	29.40	15	11.1	30	ne.	8	68	50	64	53

Daily Temperatures for April, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	48	61	54	59	53	50	55	46	44	49	55	45	48	52	65	41	51	56	71	73	69	63	66	72	69	79	89	80	79	69	....	60.4
	Minimum	38	41	36	32	42	33	32	36	34	39	35	36	37	38	32	29	30	40	33	47	46	44	40	51	40	42	56	58	52	51	....	40.0
Charlotteburg	Maximum	44	57	49	53	54	48	51	51	45	44	49	46	44	49	64	54	47	52	64	73	69	67	63	67	79	73	86	86	79	70	....	59.2
	Minimum	36	35	33	24	25	32	29	32	33	34	33	34	34	37	35	22	28	34	38	34	36	43	38	47	33	31	35	60	43	50	....	35.3
Dover	Maximum	43	58	51	52	48	49	53	42	39	45	48	40	45	49	62	47	46	55	68	70	68	60	66	68	65	75	86	78	71	60	....	56.9
	Minimum	37	38	34	29	30	33	31	33	34	36	36	35	36	38	35	28	30	38	37	35	40	44	40	47	38	36	42	50	48	45	....	37.1
Layton	Maximum	47	53	48	53	48	51	53	43	42	51	51	45	45	52	66	48	42	48	65	70	69	61	65	67	65	74	86	80	75	65	....	57.6
	Minimum	35	37	30	22	25	31	29	32	32	37	28	33	35	38	26	25	30	36	26	28	34	38	31	40	30	24	32	59	40	54	....	33.2
Long Valley	Maximum	44	57	51	53	50	49	52	45	41	45	50	45	44	49	59	39	41	53	67	70	66	59	63	66	65	73	85	77	77	65	....	56.7
	Minimum	34	37	35	27	26	33	31	33	37	35	35	34	35	37	29	26	28	37	33	38	37	42	38	40	35	35	37	40	47	50	....	35.4
Newton	Maximum	43	56	49	53	48	45	50	45	47	47	50	42	42	49	64	38	46	52	67	68	68	64	62	68	63	73	86	78	74	64	....	56.7
	Minimum	35	36	33	29	34	29	28	32	31	34	33	34	34	37	34	27	29	36	30	38	41	42	38	38	39	39	50	58	46	45	....	36.3
Phillipsburg	Maximum	47	61	54	57	53	61	55	43	42	48	53	42	48	53	64	42	54	59	70	73	67	64	66	69	68	78	86	80	76	62	....	59.5
	Minimum	39	42	39	32	33	35	35	37	35	39	36	37	38	39	32	31	34	42	34	36	43	43	41	47	38	35	40	60	50	49	....	39.0
Sussex	Maximum	46	55	49	57	51	51	55	54	45	47	52	50	42	48	66	42	42	49	66	69	70	64	63	67	64	73	89	82	82	74	....	58.8
	Minimum	37	37	34	27	30	31	29	33	32	36	34	34	35	38	32	28	29	36	34	33	39	42	38	45	37	32	40	58	45	50	....	36.2
The Red Sandstone Plain.																																	
Boonton§§	Maximum	41	60	49	54	48	48	48	47	40	44	48	44	48	48	64	48	45	50	66	65	69	56	58	70	59	64	87	80	75	64	....	56.2
	Minimum	36	38	37	29	29	33	32	33	35	37	38	36	36	39	38	31	30	36	33	36	42	44	41	45	42	39	40	60	45	53	....	38.1
Canoe Brook§§	Maximum	48	61	52	52	50	53	53	45	41	48	49	48	48	59	65	58	51	57	68	71	68	64	65	70	66	76	85	79	72	66	....	69.6
	Minimum	34	38	37	24	26	33	30	33	35	36	36	36	36	37	27	27	29	38	27	29	35	37	33	42	31	26	35	60	41	51	....	34.6
Elizabeth	Maximum	51	53	59	50	48	46	49	52	47	48	50	44	49	50	50	55	51	57	68	76	78	67	66	69	77	76	83	80	85	64	....	59.9
	Minimum	39	40	40	35	32	34	34	37	37	38	40	37	38	31	33	30	31	40	37	42	46	47	43	49	39	39	43	60	54	53	....	39.9
Flemington	Maximum	46	65	57	60	55	52	52	50	43	47	50	45	49	52	65	47	54	60	74	76	71	65	68	75	68	80	85	83	78	65	....	61.2
	Minimum	37	40	39	31	29	35	35	36	35	37	38	37	38	38	34	30	31	41	34	35	43	46	40	48	38	37	40	60	51	53	....	38.9
Jersey City	Maximum	47	60	52	51	50	52	53	45	45	46	50	42	49	51	63	43	49	56	70	70	69	64	66	71	67	75	85	80	69	63	....	58.4
	Minimum	39	39	38	39	37	36	34	37	37	38	40	39	38	39	37	30	32	40	41	47	51	47	45	53	50	44	55	63	51	50	....	42.2
Lambertville	Maximum	44	60	58	56	53	60	51	44	41	44	49	40	47	52	63	40	50	55	67	69	65	65	63	69	65	75	81	78	73	61	....	57.9
	Minimum	36	38	38	34	30	34	33	35	35	35	35	36	36	38	37	28	28	40	36	40	58	42	40	49	43	40	52	61	51	45	....	39.4
Little Falls§§	Maximum	47	60	52	54	48	51	53	47	41	47	50	46	50	57	66	57	49	57	71	73	69	63	67	70	66	77	87	80	75	63	....	59.8
	Minimum	38	38	37	30	30	33	32	33	35	38	38	36	37	29	35	31	30	38	35	36	42	47	42	48	39	33	41	62	47	53	....	38.1
Newark	Maximum	45	61	51	51	50	61	52	44	42	46	48	41	48	51	64	43	47	55	69	71	69	63	65	70	65	76	86	82	68	64	....	57.9
	Minimum	38	39	38	35	35	33	33	36	36	37	39	38	38	38	37	31	36	41	41	45	48	46	45	51	45	45	48	63	52	46	....	41.1
New Brunswick	Maximum	43	62	52	50	50	50	49	45	42	45	48	41	48	49	65	43	48	55	67	70	68	63	64	69	66	74	83	81	77	62	....	57.6
	Minimum	38	39	40	33	29	34	34	36	36	38	39	37	37	28	35	31	30	40	36	41	43	46	39	50	41	38	46	63	51	50	....	39.6
Paterson	Maximum	46	60	52	54	47	52	53	49	42	47	51	47	46	50	66	45	49	56	69	71	71	62	67	70	67	75	87	81	76	65	...	59.1
	Minimum	38	38	36	32	31	34	33	35	36	38	39	37	37	38	35	31	32	38	48	38	44	48	44	48	44	39	43	64	48	53	....	40.0
Plainfield	Maximum	47	64	54	52	51	52	53	44	45	46	50	41	51	51	66	44	50	58	72	70	70	65	66	73	69	76	86	81	70	64	....	59.4
	Minimum	39	39	38	34	31	36	34	36	36	37	39	37	38	38	34	31	31	39	39	40	44	45	42	48	44	38	43	62	52	51	....	39.8
Ridgefield	Maximum	44	62	51	53	47	52	53	44	43	47	49	40	45	49	65	42	49	56	68	71	67	63	65	69	65	74	85	80	74	64	....	57.9
	Minimum	38	39	35	33	33	35	33	36	37	39	39	37	37	37	39	32	32	40	38	42	45	47	44	50	43	40	50	63	51	46	....	40.3
Somerville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y	Maximum	46	58	49	49	49	52	52	45	45	46	50	44	46	51	60	41	46	53	67	68	66	61	65	67	63	73	81	77	66	61	....	56.6
	Minimum	40	39	39	40	38	36	33	37	38	38	41	39	36	39	37	30	33	40	42	48	52	47	45	54	50	45	56	63	51	46	....	42.4
The Southern Interior.																																	
Belleplain	Maximum	43	64	56	50	52	45	45	42	45	44	46	48	52	55	62	42	58	59	67	71	57	66	67	72	70	73	83	83	75	67	....	58.6
	Minimum	38	36	41	30	38	35	38	37	38	37	39	38	38	36	39	30	30	40	41	28	41	40	38	39	39	33	46	62	55	54	....	39.1
Bridgeton	Maximum	44	67	58	56	53	50	48	41	44	55	52	48	50	60	64	38	60	59	67	72	60	67	68	72	71	78	87	81	80	66	....	60.5
	Minimum	38	41	32	32	36	36	36	36	37	40	37	38	37	38	31	30	38	35	42	44	42	41	41	44	38	44	50	54	54	41	....	39.4
Burlington	Maximum	45	63	60	57	57	50	49	52	49	45	50	45	50	53	62	65	52	52	68	72	72	64	68	73	78	75	86	90	83	82	....	61.9
	Minimum	39	38	38	38	31	37	37	37	38	38	39	38	39	41	37	32	31	41	40	38	43	41	44	47	45	43	45	63	55	54	....	40.9
Camden	Maximum	45	66	56	59	56	49	46	40	43	46	50	43	52	54	66	42	56	57	68	72	62	64	69	70	69	75	84	82	80	66	....	59.6
	Minimum	39	41	38	36	32	36	38	38	38	37	39	39	40	41	40	33	38	42	38	42	47	48	47	51	44	46	50	62	57	48	....	42.2
Freehold	Maximum	42	63	54	52	52	47	48	41	41	43	46	41	48	50	63	43	48	55	66	69	63	63	60	64	69	73	86	84	74	68	....	57.2
	Minimum	37	38	39	34	29	33	35	36	36	37	37	37	37	37	36	30	30	39	34	40	42	44	39	48	40	35	45	51	53	54	....	38.7
Hammonton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	38	42	34	32	37	36	38	38	38	40	38	38	36	38	32	31	41	37	43	45	43	40	40	44	39	44	63	55	56	39	....	40.5
Hightstown	Maximum	44	62	60	56	55	50	50	48	48	44	47	42	48	50	66	42	50	55	66	69	68	63	66	70	65	74	79	79	76	68	....	58.7
	Minimum	36	39	40	32	29	35	34	36	37	37	38	37	38	39	37	29	31	41	37	36	41	44	39	48	41	38	46	61	52	55	....	39.4
Indian Mills	Maximum	44	66	58	57	56	49	48	44	43	43	47	45	52	53	67	57	54	57	68	70	65	64	68	71	68	74	84	83	78	66	....	60.0
	Minimum	37	36	40	32	28	36	35	38	38	38	40	37	38	39	35	32	30	40	33	35	40	43	41	41	37	34	40	66	54	55	....	38.9
Lakewood	Maximum	43	64	55	52	53	46	46	43	43	43	45	42	50	52	62	46	54	57	67	69	64	64	67	71	68	74	86	80	72	65	....	58.1
	Minimum	39	39	43	32	29	37	35	38	37	38	40	39	39	37	39	33	34	41	37	37	41	46	43	49	41	40	49	65	58	57	....	41.1
Maple Shade	Maximum	45	67	58	59	58	50	57	46	43	46	48	44	52	53	68	42	54	58	68	71	68	64	67	70	68	74	84	80	80	67	....	60.0
	Minimum	38	39	42	34	32	36	37	38	37	38	40	38	39	43	38	33	32	42	38	41	45	47	43	48	42	42	46	63	55	55	....	41.4
Moorestown	Maximum	45	60	55	57	56	49	46	45	43	45	48	43	52	52	66	43	54	57	67	71	62	64	67	69	68	74	83	81	77	63	....	58.7
	Minimum	38	39	38	35	31	37	37	37	37	38	38	39	40	40	38	32	37	43	39	41	49	46	44	48	46	41	47	61	56	46	....	41.3
Pemberton	Maximum	45	65	57	58	55	50	48	44	44	43	48	44	50	51	67	43	56	58	68	71	66	66	68	71	69	75	85	82	79	71	....	59.9
	Minimum	38	39	41	35	31	37	37	38	38	39	39	38	39	38	41	33	31	41	35	37	43	44	42	45	40	38	44	63	54	55	....	40.4
Pleasantville§§	Maximum	44	67	57	50	50	45	43	43	45	44	44	46	52	56	59	43	57	63	68	68	58	62	63	72	69	74	74	84	68	68	....	57.9
	Minimum	39	38	40	27	29	29	36	38	39	37	39	38	39	36	35	29	31	36	31	39	40	41	39	41	42	33	46	56	53	52	....	38.3
Runyon	Maximum	46	64	53	54	44	54	51	44	44	47	48	55	52	55	67	49	53	61	73	74	76	73	76	75	73	80	89	91	75	69	....	62.2
	Minimum	36	40	34	33	26	28	34	30	36	37	36	37	37	37	30	30	30	39	27	28	32	34	34	46	28	24	24	62	51	53	....	35.1
Trenton	Maximum	43	62	53	57	54	49	49	41	43	45	47	42	49	53	64	40	53	56	67	70	62	62	65	70	66	74	82	78	74	63	....	57.8
	Minimum	38	39	41	37	30	35	35	35	35	38	38	37	38	40	38	30	38	42	40	46	49	48	44	50	46	43	48	63	54	46	....	41.4
Tuckerton	Maximum	45	64	60	50	45	46	42	45	46	44	45	46	45	46	45	42	45	55	52	52	50	56	50	60	50	63	65	72	58	65	....	51.6
	Minimum	39	40	40	36	34	38	36	38	38	38	37	38	38	40	40	32	36	40	40	41	40	40	40	41	38	42	46	45	42	50	..	39.4
Philadelphia, Pa	Maximum	45	65	55	56	54	50	46	41	44	46	49	44	52	54	65	39	56	58	69	72	62	64	69	70	69	75	83	79	78	63	....	59.1
	Minimum	40	41	42	41	39	37	38	37	38	39	39	39	40	41	39	32	39	45	47	52	50	50	47	53	52	47	51	64	58	49	....	44.2
The Sea Coast.																																	
Atlantic City	Maximum	42	67	54	47	47	44	42	42	43	43	43	44	51	54	52	41	56	59	57	63	51	58	58	67	69	70	60	82	63	66	....	54.5
	Minimum	40	39	42	41	42	39	39	40	39	39	39	39	39	40	41	31	38	41	41	46	46	45	43	48	47	42	53	54	50	48	....	42.4
Long Branch	Maximum	41	63	53	46	47	46	43	41	41	44	45	40	47	50	62	42	48	56	65	63	61	64	61	70	66	73	83	80	64	62	....	55.6
	Minimum	38	39	36	36	29	36	35	38	38	39	38	38	38	39	38	30	34	40	37	42	46	48	43	50	45	41	46	61	51	45	....	40.5
Sandy Hook	Maximum	42	58	51	47	45	47	46	43	42	45	46	41	46	40	57	42	48	53	62	66	63	63	65	66	62	71	79	73	58	61	....	54.6
	Minimum	39	40	41	39	38	36	36	38	38	40	38	38	39	40	38	32	38	42	40	44	46	47	44	49	46	45	52	57	49	48	....	41.9

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	.002	.144	.112	.096	.036	.080	.128	.044	.008	.064	.048	.156	.000	.192	.102	.112	.176	.128	.160	.160	.062	.166	.160	.224	.224	.320	.288	.320	.176	.338	....	4.220
	Wind movement	103	84	92	55	68	83	87	168	207	195	126	125	87	25	164	139	193	138	96	57	58	43	69	85	57	103	81	144	101	111	....	3144
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XL. MAY, 1935. No. 5.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

This was the coolest May during the past ten years. The daily averages were nearly all below the normal, or slightly above it, except during the warm period from the 28th to 30th, inclusive. The ninety-degree mark about set the highest, these being reached on the 27th, 28th and 29th, while the lowest were in the high thirties and low forties, except in the northern portion where near-freezing temperatures were recorded at most stations, with below freezing at four stations accompanied by reports of killing frosts and formation of ice. Losses to tender vegetation, of relatively small amounts, occurred.

The semi-drought conditions that prevailed during the latter half of April continued throughout May and at the end of the month the aspect was serious with a very dry soil. The following are the percentages of the normal amounts of rain received by the various subdivisions: The Highlands, 31%; Red Sandstone Plain, 34%; Southern Interior, 71%; Sea Coast, 51%; State, 46%. Showers were somewhat frequent over the southern half but were quite light with the possible exception of those occurring on the 6th and 7th; over the northern half they were frequent during the first decade with only a few light, scattered ones during the remainder of the month. Hail storms occurred in the New Brunswick-Somerville area on the 31st causing considerable damage to foliage and greenhouses.

Destructive forest fires occurred on the 18-19th, mostly in Atlantic and Ocean counties. Believed to be of incendiary origin, high winds helped to produce widespread destruction.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 57.8°, which was 2.6° below normal. The highest temperature was 95° at Burlington on the 30th, and the lowest, 27°, at Canoe Brook on the 24th. The greatest daily range of temperature was 50° at Runyon on the 26th. The highest monthly mean temperature was 60.3° at Burlington, and the lowest, 54.3° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.1°; Red Sandstone Plain, —0.3°; Southern Interior, —0.5°; Sea Coast, +0.3°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 46 stations, was 1.71 inches, which was 2.02 inches below normal. The greatest monthly precipitation was 3.49 inches, at Burlington, and the least, 0.51 inch at Culvers Lake. The greatest amount of precipitation in any 24 consecutive hours was 1.49 inches at Pemberton on the 7th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 9, or 2 less than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands. —5.08 inches; Red Sandstone Plain, —6.56 inches; Southern Interior, —1.97 inches; Sea Coast, —4.29 inches.

WIND.

The prevailing wind direction was from the Northwest. The wind movement averaged 11 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 44 miles per hour from the northwest at Sandy Hook on the 29th.

MISCELLANEOUS.

The per cent of possible sunshine was 62, or 2 per cent above normal.

The mean atmospheric pressure, reduced to sea level, was 29.99 inches, or normal. The highest reading was 30.40 inches at Atlantic City on the 9th, and the lowest 29.51 inches on the 21st at Ridgefield.

The mean stage of the Delaware River at Phillipsburg was 2.7 feet, and the highest 3.4 feet on the 1st. At Trenton the mean stage was 2.0 feet, and the highest 4.0 feet on the 9th.

Dense fog occurred in sections of the southern portion on the 31st, it was also noted at Atlantic City on the 6th and at Sandy Hook on the 7th. Thunderstorms occurred on the following dates: 1, 3, 4, 6, 7, 10, 11, 29 and 31. Hail fell on the 2d at Long Valley, on the 10th at Maple Shade and on the 31st at Freehold, New Brunswick and Somerville. It did no damage being light in quantity. Killing frost occurred on the 24th at Layton and the 25th at Long Valley, other stations in the State report either light or heavy frost on these dates.

COMPARATIVE DATA FOR MAY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest. monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	−3.1	90	29	2.74	−0.99	5.20	1.18	0	....	....	....	....
1886	58.8	−1.6	87	36	6.07	+2.34	8.46	4.15	0	....	....	....	....
1887	63.3	+2.9	94	35	1.37	−2.36	3.82	**0.08**	0	6	....	....	....
1888	58.6	−1.8	90	26	4.92	+1.19	6.48	3.00	0	16	....	....	....
1889	62.3	+1.9	94	32	4.09	+0.36	6.60	2.43	0	12	....	....	....
1890	60.7	+0.3	87	33	4.24	+0.51	7.17	2.60	0	12	....	....	....
1891	59.5	−0.9	93	28	2.97	−0.76	5.39	1.78	0	9	9	11	11
1892	60.1	−0.3	90	30	5.04	+1.31	6.52	3.26	0	13	8	13	10
1893	59.4	−1.0	95	29	4.07	+0.34	6.38	2.55	0	10	13	8	10
1894	61.4	+1.0	93	30	**7.72**	+3.99	**15.61**	3.57	0	13	11	9	11
1895	60.9	+0.5	**102**	28	2.85	−0.88	3.95	1.66	0	8	12	12	7
1896	**65.3**	+4.9	98	29	3.21	−0.52	4.54	1.62	0	10	10	12	9
1897	60.6	+0.2	87	29	5.68	+1.95	9.11	1.71	0	12	11	12	8
1898	58.5	−1.9	93	29	7.00	+3.27	9.26	3.92	0	18	8	8	15
1899	61.1	+0.7	94	29	1.92	−1.81	3.15	1.15	0	9	12	12	7
1900	60.9	+0.5	98	26	4.71	+0.98	7.33	2.53	0	10	13	7	11
1901	58.6	−1.8	90	29	5.60	+1.87	8.13	3.10	0	16	9	9	13
1902	60.3	−0.1	95	29	2.04	−1.69	4.63	1.11	0	7	15	11	5
1903	62.7	+2.3	98	**21**	**0.59**	−3.14	**1.32**	**0.08**	0	4	16	10	5
1904	62.8	+2.4	97	31	2.60	−1.13	6.69	1.01	0	8	17	9	5
1905	61.4	+1.0	89	22	1.71	−2.02	3.94	0.42	0	8	12	11	8
1906	61.0	+0.6	94	24	4.21	+0.48	6.28	2.37	0	10	16	8	7
1907	55.4	−5.0	91	22	5.05	+1.32	8.09	2.51	0	12	12	9	10
1908	61.6	+1.2	95	29	7.10	+3.37	9.99	4.39	0	13	9	10	12
1909	60.0	−0.4	91	27	2.30	−1.43	4.84	0.79	0	9	10	11	10
1910	60.0	−0.4	94	27	2.54	−1.19	4.25	1.48	0	12	10	10	11
1911	64.5	+4.1	99	22	1.37	−2.36	3.84	0.31	0	7	14	11	6
1912	62.0	+1.6	92	31	4.09	+0.36	6.47	2.79	0	11	11	11	9
1913	60.3	−0.1	94	25	3.45	−0.28	4.86	2.53	0	9	15	7	9
1914	63.1	+2.7	98	30	2.93	−0.80	5.09	0.95	0	10	14	9	7
1915	58.1	−2.3	88	30	3.82	+0.09	6.15	2.00	0	13	13	7	11
1916	61.1	+0.7	90	33	3.48	−0.25	5.27	2.14	0	12	12	11	8
1917	**54.0**	−6.4	90	25	3.83	+0.10	6.83	2.08	0	11	10	10	11
1918	64.6	+4.2	93	31	4.94	+1.21	7.59	2.74	0	12	14	10	7
1919	60.9	+0.5	95	31	4.98	+1.25	7.68	3.06	0	12	14	6	11
1920	57.4	−0.3	89	26	3.00	−0.73	5.23	1.61	0	10	15	8	8
1921	60.2	−0.2	96	32	4.17	+0.44	6.44	2.60	0	10	14	7	10
1922	63.0	+2.6	90	23	3.84	+0.11	7.55	1.16	0	8	18	6	7
1923	59.1	−1.3	90	25	1.66	−2.07	3.62	0.67	0	6	20	6	5
1924	56.8	−3.6	87	25	5.69	+1.96	7.94	3.36	0	17	12	7	12
1925	57.7	−2.7	99	23	2.86	−0.87	4.94	0.49	0	8	13	11	7
1926	59.1	−1.3	90	26	2.58	−1.15	4.52	1.08	0	9	18	9	4
1927	58.1	−2.3	88	30	3.65	−0.08	8.16	1.93	0	13	9	10	12
1928	58.0	−2.4	93	27	2.23	−1.50	3.49	1.26	0	12	12	9	10
1929	59.9	−0.5	95	26	3.49	−0.24	5.58	1.26	0	13	13	8	10
1930	62.7	+2.3	98	31	2.75	−0.98	4.50	1.54	0	9	17	7	7
1931	60.4	0.0	97	**21**	3.73	0.00	2.20	0.77	0	12	14	6	11
1932	60.5	+0.1	94	29	2.98	−0.75	5.61	1.60	0	8	16	8	7
1933	63.2	+2.8	93	32	4.84	+1.11	6.98	2.56	0	13	11	8	12
1934	62.3	+1.9	98	28	4.63	+0.90	6.51	2.88	0	11	17	6	8
1935	57.8	−2.6	95	27	1.71	−2.02	3.49	0.51	0	9	15	7	9
Period	60.4	....	102	21	3.73	....	15.61	0.08	0	11	13	9	9

W. B. O. Philadelphia-7-5-35-900

Climatological Data for May, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	59.0	−1.4	91	28	38	16†	38	1.08	−2.46	0.34	0	9	19	6	6	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	55.8	−1.4	89	29	28	25	47	1.03	−2.85	0.30	0	9	23	2	6	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	34	3	....	0.51	−3.32	0.15	0	7	22	3	6	w.	Brice E. Riker.
Dover	Morris	600	51	56.6	−1.8	87	28†	34	5	39	1.09	−2.54	0.47	0	11	5	19	7	......	William C. Harris
Layton	Sussex	480	34	54.3	−3.2	86	29	29	16†	48	2.15	−0.99	0.80	0	9	12	6	13	w.	A. M. Depue.
Long Valley	Morris	520	5	55.4	......	87	28	31	25	44	0.77	......	0.48	0	3	14	12	5	w.	S. N .Dilts.
Newton	Sussex	769	52	56.0	−3.4	86	27†	33	5	38	1.34	−2.27	0.46	0	10	15	3	13	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	58.5	−2.5	91	28†	35	24	42	0.91	−2.40	0.28	0	8	17	5	9	......	Town Engineer.
Sussex	Sussex	442	40	56.6^{a}	−2.7	90	27	32	5†	48	1.08	−2.35	0.53	0	7	16	4	11	......	A. J. W. Mowatt
Means and extremes	......	......	....	55.9	−2.3	91	28†	28	25	48	1.11	−2.40	0.80	0	8	16	7	8	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	......	......	......	......	33	25	....	1.00	−2.70	0.37	......	10	15	3	13	ne.	John Kline.
Canoe Brook	Essex	173	5	54.6	......	89	29	27	24	49	1.14	......	0.56	......	8	16	7	8	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	0.82	−3.10	0.15	......	11	16	8	7	......	Paul Molitor, Sr.
Elizabeth	Union	45	56	57.7	−4.0	88	29	36	2	38	1.35	−2.29	0.59	0	8	18	5	8	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	58.7	−2.3	92	29	33	23	44	1.27	−2.25	0.52	0	9	19	7	5	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	60.0	−1.3	90	29	44	1†	30	1.32	−2.13	0.60	0	9	10	8	13	n.	S. K. Pearson.
Lambertville	Hunterdon	430	48	57.2	−3.8	87	28	37	24	33	1.56	−2.10	0.83	0	9	19	6	6	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	57.8	−2.0	90	29	34	24	45	0.96	−2.98	0.36	0	9	19	6	6	nw.	Passaic Valley Water Co
Newark	Essex	30	....	59.0	−2.1	89	29	41	5	38	1.01	−3.05	0.43	0	6	....	....	....	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	57.8	−2.6	88	29	38	16†	40	2.17	−1.49	0.85	0	11	17	9	5	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	1.17	−2.34	0.35	......	9	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	57.2	−4.3	87	28†	36	5†	41	0.71	−3.06	0.38	0	7	16	8	7	nw.	William H. Meyer.
Plainfield	Union	120	47	58.5	−1.3	91	29	38	25	44	1.23	−2.50	0.60	0	8	12	8	11	n.	S. K .Pearson.
Ridgefield	Bergen	80	18	58.1	−1.0	89	28†	39	5†	38	0.95	−2.52	0.52	0	10	11	13	7	nw.	George P. Kirsten.
Somerville	Somerset	70	52	57.0^{c}	−3.5	88	29	34	24	41	2.06	−1.48	1.00	0	7	16	2	13	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	1.36	−1.98	0.44	...	12	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	314	65	58.8	−1.8	86	29	44	5	26	1.33	−1.91	0.61	0	9	10	8	13	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	57.8	−2.6	92	29	27	24	49	1.26	−2.40	1.00	0	9	16	7	8	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	58.3^{c}	−2.3	84	27	33	24	41	2.17	−1.35	0.56	0	8	14	10	7	se.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	59.4	−4.1	89	28†	40	8†	32	3.19	−0.08	1.14	0	11	21	3	7	sw.	Bennett K. Matlack
Burlington	Burlington	12	§49	60.3	−2.6	95	30	35	5	41	3.49	+0.02	1.43	0	13	17	6	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	60.2	......	90	28	42	9†	36	1.92	......	0.85	0	9	5	11	15	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	57.6	......	90	29	36	16†	39	2.11	−1.67	1.13	0	7	17	4	10	sw.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	59.0	......	91	29	39	1	37	3.03	−0.58	0.89	0	12	17	8	6	nw.	Geo. W. Lobley.
Hightstown	Mercer	110	42	59.5^{h}	−1.3	87	28†	36	24	40	1.73	−1.88	0.96	0	10	11	13	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	57.4	−4.3	91	29	34	9†	45	2.77	−0.57	1.08	0	10	11	11	9	nw.	James M. Armstrong.
Lakewood	Ocean	54	31	58.2	−1.8	89	28†	37	5†	42	2.78	−1.00	1.30	0	13	14	5	12	nw.	R. W. Holman.
Maple Shade	Burlington	65	....	59.3	......	88	28	39	16	36	2.31	......	1.43	0	10	8	11	12	nw.	Richard J. Smith.
Moorestown	Burlington	62	72	57.8	−3.4	87	28†	40	9†	35	2.59	−0.93	1.44	0	12	10	11	10	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	3.10	−0.14	0.85	0	12	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	58.8	......	88	28†	37	25	40	2.57	......	1.49	0	12	16	7	8	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	56.6^{b}	......	88	29	34	25	35	2.54	−0.64	0.64	......	14	17	5	9	s.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	57.2	......	92	29	28	16†	50	1.98	−1.92	0.80	......	8	15	9	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	59.0	−2.1	87	29	42	24	32	1.47	−1.61	1.05	0	10	9	10	12	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	1.55	......	0.83	0	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	......	......	......	......	......	......	....	1.72	−1.72	0.43	0	14	17	4	10	ne.	John H. Brown.
Philadelphia, Pa	......	114	64	60.6	−2.3	86	28	45	1	25	2.21	−1.05	1.46	0	11	8	9	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	58.6	−2.7	95	30	28	16†	50	2.39	−1.00	1.49	0	10	14	8	9	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	56.8	−1.3	74	27	44	16	25	2.14	−0.91	0.43	0	13	6	9	16	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	56.9	−1.1	90	29	38	5	40	1.70	−2.15	0.48	0	9	12	6	13	nw.	William D. Martin.
Sandy Hook	Monmouth	22	37	57.8	−0.6	85	28	44	2	25	1.61	−2.11	0.67	0	9	10	8	13	s.	U.S. Weather Bureau.
Means and extremes	......	......	....	57.2	−1.0	90	29	38	5	40	1.82	−1.72	0.67	0	10	9	8	14	s.	
For the State	......	......	....	57.8	−2.6	95	30	27	24	50	1.71	−2.02	1.49	0	9	15	7	9	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for May, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.08	.01	.16	.02	.09	.34	....	....	.05	....	....	....	....	....	....	....	....	....	....	....	....	.23	....	....	....	....	....	....	.10	....	1.08
Charlotteburg	Passaic	....	.03	....	.28	.04	.14	.30	....	....	.02	....	....	....	.05	....	....	....	....	....	....	....	....	.14	....	....	....	....	....	....	....	.03	1.03
Culvers Lake	Delaware	.05	....	....	.08	.05	.10	.15	.05	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	0.51
Dover	Passaic	....	.06	.01	.06	*	.13	.47	....	....	.04	....	....	....	.05	....	....	....	....	....	....	....	....	.12	....	....	....	....	....	.09	....	.06	1.09
Layton	Delaware	....	T.	T.	.35	.15	.07	.80	....	....	.09	....	....	....	.19	....	....	....	....	....	....	....	....	.13	....	....	....	....	....	.11	....	.26	2.15
Long Valley	Morris	....	T.	T	....	....	....	.48	....	....	....	....	....	....	.06	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.23	....	T.	0.77
Newton	Delaware	....	.06	T.	.16	.04	.15	.46	T.	....	.13	....	....	....	.10	....	....	....	....	....	....	....	....	.18	....	....	....	....	....	.02	T.	.04	1.34
Phillipsburg	....do	....	.13	T.	T.	.04	.13	.28	....	....	.10	....	....	....	.08	....	....	....	....	....	....	T.	....	.10	....	....	T.	....	....	.05	....	T.	0.91
Sussex	Hudson	....	.02	....	.13	.03	....	.53	.29	....	.03	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	....	....	1.08
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic	.18	....	.02	.03	T.	.10	.37	.06	....	....	.01	....	....	.04	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	....	.09	....	1.00
Canoe Brook ǁǁ	Essex	T.	....	.07	.03	.03	.14	.56	.13	....	T.	....	....	....	.04	T	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.14	....	1.14
Chatham ǁ	....do	.14	T.	.07	.03	.02	.13	.09	.15	....	....	.02	....	....	.02	.03	....	....	....	....	....	....	....	T.	T.	....	....	....	....	....	.12	....	0.82
Elizabeth	Coast	....	T.	.04	.02	T.	.08	.59	....	....	T.	....	....	....	.01	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.14	.02	.45	1.35
Flemington	Raritan	....	.03	.08	.01	T.	.04	.52	....	....	.01	....	....	T.	.10	....	....	....	....	....	....	....	T.	.03	....	....	....	....	....	.45	....	T.	1.27
Jersey City	Coast	....	.05	.05	T.	.12	.01	.60	....	....	.01	....	....	....	.01	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.22	....	.25	1.32
Lambertville	Delaware	....	.14	.14	T.	.03	.06	.83	....	....	....	....	....	....	.03	....	....	....	....	....	....	T.	....	.03	....	....	....	....	....	.28	....	.02	1.56
Little Falls. ǁǁ	Passaic	.11	....	.02	.05	....	.09	.36	.06	....	....	....	....	....	.06	....	....	....	....	....	....	....	....	.05	....	....	....	....	....	....	.16	....	0.96
Newark***	Coast	....	.03	T.	T.	.13	.10	.43	....	....	T.	....	....	T.	T.	....	....	....	....	....	....	T.	....	T.	....	....	....	....	....	.11	....	.21	1.01
New Brunswick	Raritan	....	.03	.06	.01	T.	.06	.81	....	....	T.	....	....	....	.03	....	....	....	....	....	....	T.	.01	.02	....	....	....	....	....	.27	.02	.85	2.17
New Milford ǁǁ	Hackensack	.18	....	....	.17	....	.12	.35	.09	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	.13	.03	....	....	....	....	....	.06	....	1.17
Paterson	Passaic	....	.02	T.	.06	.05	.10	.38	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	.06	....	....	....	....	....	T.	T.	T	0.71
Plainfield	Raritan	....	.06	.02	....	.07	.02	.60	....	....	T.	....	....	....	.01	....	....	....	....	....	....	T.	....	T.	....	....	....	....	....	.15	....	.30	1.23
Ridgefield**	Hackensack	....	.01	.04	.01	.03	.08	.52	....	....	.01	....	....	....	.07	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.07	....	.11	0.95
Somerville	Raritan	....	T.	.11	....	....	.06	.54	....	....	....	....	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.23	.01	1.00	2.06
Woodcliff Lake ǁǁ	Hackensack	.16	....	.03	.16	.01	.17	.44	.24	....	....	.05	....	....	.02	....	....	....	....	....	....	....	....	.02	.05	....	....	....	....	....	.01	....	1.36
New York, N. Y***	Coast	....	.05	.05	T.	.11	.05	.56	....	....	.01	....	....	....	.01	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	.24	....	.25	1.33
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	T.	....	.10	.13	.33	....	....	....	.40	....	.11	T.	....	....	....	....	....	....	.46	....	.08	....	....	....	....	....	....	.56	....	2.17
Bridgeton	Delaware	....	.02	.03	....	.18	1.14	.03	....	.78	....	....	.11	....	....	....	....	....	....	....	.42	.02	.12	....	....	....	....	....	....	.34	T.	....	3.19
Burlington	Delaware	....	.10	.05	.04	....	.08	1.43	T.	....	.20	.39	....	.02	.20	T.	....	....	....	....	....	.05	....	.06	....	....	....	....	....	.17	....	.70	3.49
Camden**	..do	....	.24	.14	T.	.07	.40	.85	....	....	.07	....	....	T.	T	....	....	....	....	....	....	.07	....	.04	....	....	....	....	....	....	....	.04	1.92
Freehold	Raritan	....	.05	T.	T.	....	.13	1.13	....	....	.08	....	....	....	....	....	....	....	....	....	....	T.	....	.19	....	....	....	....	....	T.	.10	.43	2.11
Hammonton	Mullica	....	.06	....	.03	.10	.89	.05	....	....	.24	....	.07	....	....	....	....	....	....	....	.28	.20	.17	....	....	....	....	....	....	.85	....	.09	3.03
Hightstown	Raritan	....	.07	T	T	....	.20	.96	....	....	.04	....	....	.01	T.	....	....	....	....	....	....	T.	.03	.03	....	....	....	....	....	.15	.01	.23	1.73
Indian Mills	Mullica	....	.28	.30	.13	....	....	1.08	....	....	.19	....	....	.08	....	....	....	....	....	....	....	.15	....	.18	....	....	....	....	....	....	.14	.24	2.77
Lakewood	Metedeconk	....	.05	.02	.05	....	.08	1.30	....	....	.02	.10	....	.02	T.	....	....	....	....	....	....	.06	....	.30	....	....	....	....	....	.06	.04	.68	2.78
Maple Shade	Delaware	....	.26	.21	.01	T.	.15	1.43	....	....	.07	T	....	.02	T.	....	....	....	....	....	....	.09	....	.04	....	....	....	....	....	T.	T.	.03	2.31
Moorestown ǁǁ	....do	T.	.27	.19	.03	.12	1.44	.20	....	....	.13	....	.02	....	....	....	....	....	....	....	.04	.06	.06	....	....	....	....	....	....	....	....	.03	2.59
Northfield	Coast	....	....	.16	.07	T.	.47	.40	....	....	.05	.85	....	.04	.01	....	....	....	....	....	....	.47	....	.07	....	....	....	....	....	....	.46	.05	3.10
Pemberton	Delaware	....	.16	T.	.17	....	.08	1.49	....	....	.03	.28	....	.05	.01	....	....	....	....	....	....	.12	....	.13	....	....	....	....	....	....	.04	.01	2.57
Pleasantville ǁǁ	Coast	.05	....	.05	.11	T.	.33	.26	.04	....	.02	.43	....	.06	.03	....	....	....	....	....	....	.31	.18	.03	....	....	....	....	....	....	.64	....	2.54
Port Norris	Maurice	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Coast	....	.03	.05	....	....	.09	.80	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	.03	....	....	....	....	....	....	.37	....	.57	1.98
Trenton***	Delaware	....	.09	T.	.01	.02	.40	.66	....	....	.15	....	....	.02	T	....	....	T.	....	....	....	T.	....	.02	....	....	....	....	....	.03	....	.07	1.47
Trenton No. 2 ǁǁ	....do	.04	T.	.12	.01	.01	.05	.83	.34	....	....	.08	....	.02	....	....	....	....	....	....	....	....	T.	.03	....	....	....	....	....	....	.02	....	1.55
Tuckerton	Coast	....	.02	.11	.04	.09	.11	.27	....	....	.04	.26	....	.04	....	.04	....	.04	....	....	....	....	....	.43	....	.14	....	....	....	....	....	....	1.72
Phila., Pa***	Delaware	....	.24	.14	.02	.07	.60	.87	....	....	.08	....	T.	.01	T.	....	....	....	....	....	....	.10	....	.04	....	....	....	....	....	T.	....	.04	2.21
The Sea Coast.																																	
Atlantic City***	Coast	....	.21	.11	.01	.25	.14	.07	....	....	.43	....	....	.06	T.	....	.01	....	....	....	....	.43	....	.08	....	....	....	....	....	.31	T.	.03	2.14
Long Branch**	....do	....	.04	T.	T.	.07	.30	.48	....	....	.05	....	....	....	T.	....	....	....	....	....	....	.26	....	.14	....	....	....	....	....	.09	....	.27	1.70
Sandy Hook***	....do	....	.09	T.	T.	.08	.16	.53	....	....	.03	....	....	....	.03	....	....	....	....	....	....	T.	....	.02	....	....	....	....	....	.59	....	.08	1.61

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity¶			Percentage of sunshine,
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction[1]	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.01	30.40	9	29.62	21	13.7	31	w.	7	74	69	74	58
Long Branch	29.97	30.37	9	29.53	21	8.0	36	w.	1	60	53	44	63
New York, N. Y	29.98	30.38	5	29.52	21	13.8	49	nw.	29	62	49	58	63
Philadelphia, Pa	30.01	30.38	9	29.59	21	11.9	34	nw.	7	62	49	58	60
Ridgefield	29.98	30.37	5	29.51	21	......	......	......	......	......	......	......	......
Sandy Hook	29.98	30.35	9	29.53	21	12.2	44	nw.	29	69	54	67	63
Trenton	29.99	30.37	9	29.55	21	8.8	21	w.	18	62	46	55	62

Daily Temperatures for May, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	63	54	54	50	54	54	69	71	74	73	76	71	75	75	68	72	75	72	72	75	78	71	64	69	78	86	89	91	90	84	86	72.0
	Minimum	43	44	42	42	39	45	51	46	42	53	46	43	48	53	45	38	48	40	46	40	50	38	42	36	40	50	53	54	60	55	56	46.1
Charlotteburg	Maximum	59	61	53	52	54	59	60	67	69	69	71	71	71	69	72	67	69	77	71	69	77	74	73	64	74	83	85	86	89	80	80	70.2
	Minimum	39	43	40	38	30	41	47	43	35	47	48	47	39	53	40	30	41	36	43	32	42	42	39	35	28	36	38	64	59	62	45	41.4
Dover	Maximum	61	50	53	46	53	57	67	67	68	68	72	68	73	71	66	68	73	68	69	71	73	69	61	64	75	81	85	87	87	77	75	68.5
	Minimum	41	42	41	40	34	43	48	43	41	49	46	46	45	55	42	36	46	38	48	37	48	40	42	35	37	42	46	57	65	56	54	44.6
Layton	Maximum	60	53	51	48	55	61	64	68	69	72	70	70	72	70	63	66	70	65	66	70	74	65	60	64	75	83	85	78	86	82	80	68.2
	Minimum	40	40	40	36	36	43	47	45	34	50	39	37	39	55	40	29	39	35	38	31	39	35	39	29	30	35	39	52	62	48	60	40.4
Long Valley	Maximum	60	59	52	44	51	56	69	69	69	72	71	69	71	71	68	68	71	66	68	70	73	67	59	65	74	82	84	87	86	77	80	68.6
	Minimum	40	39	39	40	34	42	48	43	35	42	45	40	43	53	42	37	44	38	44	36	44	37	40	39	31	39	40	48	60	55	50	42.2
Newton	Maximum	59	55	48	50	53	58	65	66	74	69	69	68	78	70	63	68	71	65	66	70	71	66	59	64	76	81	86	86	86	82	80	68.5
	Minimum	39	40	36	36	33	40	43	42	42	48	44	42	49	49	40	35	45	38	45	40	46	40	38	37	40	46	48	57	63	52	54	43.5
Phillipsburg	Maximum	63	56	53	48	53	58	70	70	71	74	77	71	71	76	69	68	74	72	74	73	77	72	60	68	75	83	88	91	91	83	84	71.4
	Minimum	44	42	42	42	41	45	50	47	40	52	43	42	50	57	46	39	50	39	46	39	49	38	43	35	39	41	46	54	62	57	53	45.6
Sussex	Maximum	59	60	50	46	57	....	67	72	72	72	73	69	76	69	68	68	70	66	66	69	72	70	64	64	80	88	90	89	85	84	83	70.6[a]
	Minimum	42	44	39	37	32	....	43	43	39	50	43	43	43	55	41	34	44	36	43	37	44	38	40	32	36	40	45	53	61	50	53	42.7[a]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	44	41	42	41	34	40	49	43	40	48	45	41	44	53	44	35	44	44	38	36	45	41	42	34	33	39	41	52	68	55	50	43.1
Canoe Brook§§	Maximum	62	53	53	52	55	60	67	68	68	72	72	71	72	74	66	68	72	68	69	71	73	68	62	65	75	82	86	88	89	80	73	69.5
	Minimum	41	37	51	40	31	43	49	42	36	47	36	34	43	53	43	28	39	36	38	32	43	31	38	27	28	34	37	47	60	60	48	39.7
Elizabeth	Maximum	67	68	50	58	50	62	64	76	74	71	74	70	67	70	74	72	65	68	68	71	73	75	71	60	70	76	84	85	88	72	70	69.8
	Minimum	44	36	43	43	38	46	51	45	41	48	44	42	49	55	48	38	48	42	43	42	49	42	45	38	39	44	46	51	64	57	54	45.6
Flemington	Maximum	66	60	53	50	54	59	73	74	72	71	81	77	69	74	71	67	75	74	75	74	75	75	66	68	80	83	88	84	92	82	84	72.6
	Minimum	43	44	43	43	39	45	50	45	38	50	44	41	49	55	45	39	47	38	38	40	49	39	33	37	40	43	44	54	63	59	54	44.9
Jersey City	Maximum	64	57	56	50	53	61	64	69	67	71	73	73	72	74	68	67	74	70	70	71	70	71	60	66	75	82	87	88	90	78	74	69.8
	Minimum	44	45	44	44	44	47	49	46	46	51	53	54	52	55	47	46	49	46	50	48	53	48	45	45	47	53	57	60	66	60	68	60.1
Lambertville	Maximum	59	53	51	46	50	59	69	67	68	70	71	72	70	61	64	65	72	68	71	69	71	67	60	65	73	80	84	87	85	77	82	67.9
	Minimum	42	43	42	42	40	43	49	44	41	46	49	48	45	54	44	39	48	39	47	41	49	45	43	37	43	48	51	57	64	58	57	46.4
Little Falls§§	Maximum	64	52	55	55	56	61	68	72	69	73	74	72	75	73	68	69	73	70	70	72	75	70	64	68	79	85	88	89	90	83	79	71.3
	Minimum	44	44	43	41	35	44	49	43	41	49	44	41	45	53	43	36	44	40	44	37	48	40	42	34	35	41	43	62	63	56	52	44.4
Newark	Maximum	63	55	55	60	54	62	65	66	66	73	74	72	71	74	67	64	72	69	69	70	72	70	61	65	81	80	86	88	89	76	70	69.3
	Minimum	45	45	45	42	41	46	51	47	43	50	51	46	52	55	49	43	47	46	47	44	52	47	44	46	43	49	52	59	64	60	55	48.6
New Brunswick	Maximum	60	58	52	49	53	59	65	67	69	72	72	71	67	73	70	66	71	69	69	69	69	68	66	65	73	80	86	87	88	76	74	68.8
	Minimum	43	45	42	43	41	45	49	46	41	47	49	47	49	54	47	38	48	41	46	42	50	43	44	38	42	45	46	58	65	58	56	46.7
Paterson	Maximum	62	57	56	49	57	62	62	66	70	71	71	69	74	72	68	66	71	68	66	70	72	67	60	66	72	79	85	87	87	77	76	68.9
	Minimum	44	44	44	42	36	45	50	46	40	50	45	42	45	56	44	38	45	45	41	40	48	45	41	36	38	42	44	62	64	58	53	45.6
Plainfield	Maximum	66	58	56	50	54	61	65	70	71	71	75	74	72	75	69	68	75	71	71	72	73	72	60	67	75	84	88	90	91	78	75	70.9
	Minimum	44	44	43	43	39	45	51	45	41	49	47	42	48	55	48	40	49	43	42	42	49	41	46	40	38	43	44	54	61	59	55	46.1
Ridgefield	Maximum	63	52	56	48	57	60	62	67	68	72	73	68	73	73	66	67	71	67	69	70	68	70	52	66	75	84	87	89	89	80	76	69.0
	Minimum	44	46	44	42	39	45	49	46	44	50	48	46	49	55	45	39	48	41	45	43	51	44	43	39	42	47	49	61	65	69	55	47.2
Somerville	Maximum	62	60	52	49	54	60	66	68	70	72	72	72	69	72	69	65	72	68	70	70	72	71	66	64	72	79	85	87	88	78	76	69.3
	Minimum	....	....	....	42	40	45	51	44	39	50	43	40	49	49	46	36	47	42	40	38	48	38	44	34	35	40	44	67	60	58	55	44.8[c]
New York, N. Y.	Maximum	62	55	55	49	52	60	62	66	64	70	71	70	71	71	65	63	70	66	66	68	66	67	60	64	74	77	84	83	86	77	70	67.2
	Minimum	44	45	44	45	44	47	49	46	47	51	54	54	53	54	47	46	49	46	50	48	54	49	44	45	49	54	58	61	66	61	68	50.4
The Southern Interior.																																	
Belleplain	Maximum	64	74	57	....	55	66	75	69	64	74	73	73	59	77	72	65	73	75	....	70	68	70	58	66	70	....	84	82	87	82	77	70.7[c]
	Minimum	40	41	44	....	41	47	51	42	34	49	49	42	50	51	50	34	47	40	....	37	48	55	47	33	34	....	43	61	64	63	69	45.9[c]
Bridgeton	Maximum	60	71	59	68	58	62	73	70	67	77	70	74	74	75	69	67	73	69	75	67	69	71	59	68	74	83	86	89	89	74	79	71.3
	Minimum	45	44	44	43	46	55	43	40	48	48	48	45	50	49	40	48	42	45	43	50	45	45	41	40	44	51	58	62	63	58	53	47.6
Burlington	Maximum	76	63	56	54	52	61	70	70	70	74	74	72	72	74	75	67	74	69	76	75	71	69	73	72	75	83	88	88	89	95	91	72.8
	Minimum	45	46	45	44	35	46	52	46	40	50	47	43	51	55	48	42	50	46	50	43	52	47	47	41	39	44	47	55	65	62	59	47.8
Camden	Maximum	61	52	57	49	52	61	71	67	71	74	73	72	65	73	67	70	75	70	74	71	70	72	57	65	75	81	87	90	89	79	84	70.1
	Minimum	44	46	45	45	46	50	52	48	42	51	50	55	62	56	50	45	52	48	53	45	53	47	46	46	42	48	51	60	66	64	60	50.2
Freehold	Maximum	62	58	62	48	54	61	66	68	68	72	74	72	67	73	70	65	73	70	70	70	70	71	57	67	73	80	87	89	90	78	76	69.4
	Minimum	42	44	43	44	39	45	49	43	41	47	46	44	49	53	46	36	47	41	46	43	50	40	44	36	39	44	48	57	65	59	54	45.9
Hammonton	Maximum	53	53	48	52	54	59	57	62	62	62	61	61	57	72	68	73	75	70	76	72	72	72	59	71	77	83	89	90	91	77	81	68.0
	Minimum	39	45	44	46	43	47	53	45	40	48	55	57	52	57	60	47	55	48	53	52	51	45	46	42	44	47	52	58	65	63	58	49.9
Hightstown	Maximum	....	....	....	....	....	....	....	...	68	73	73	72	66	74	67	66	74	69	72	69	70	70	61	66	75	82	86	87	87	79	79	73.3[h]
	Minimum	....	....	....	....	....	....	....	....	38	47	45	41	49	54	45	37	47	39	42	39	50	42	44	36	37	42	46	56	64	58	53	45.7[h]
Indian Mills	Maximum	62	57	59	50	62	64	73	68	69	76	74	70	64	73	71	66	73	70	74	70	71	71	63	67	75	83	88	90	91	76	82	70.7
	Minimum	42	40	44	49	42	46	53	43	34	48	44	42	46	49	46	43	39	37	37	34	47	39	43	35	35	40	43	55	63	60	53	44.2
Lakewood	Maximum	62	58	54	49	53	62	68	68	65	74	74	75	64	75	73	67	71	72	74	71	72	73	69	66	73	79	86	89	89	78	75	70.2
	Minimum	43	43	44	45	37	47	50	44	37	49	45	42	51	54	50	37	48	44	44	42	53	42	44	38	38	46	44	59	64	61	48	46.2
Maple Shade	Maximum	61	56	57	50	53	60	72	70	71	75	73	75	68	75	67	68	73	69	74	72	70	70	67	66	74	82	85	88	87	78	83	70.6
	Minimum	44	45	44	44	43	46	53	45	41	50	47	44	51	56	47	39	60	44	51	43	52	43	46	40	41	48	49	59	64	62	59	48.0
Moorestown	Maximum	59	53	56	48	51	60	71	66	68	73	71	71	60	73	65	66	72	68	73	67	68	68	57	65	73	80	84	87	87	78	83	68.4
	Minimum	46	45	45	45	45	46	51	47	40	50	47	44	52	48	46	40	50	40	45	41	50	43	44	41	41	47	49	57	65	60	58	47.3
Pemberton	Maximum	61	57	55	49	52	62	70	68	68	74	73	73	72	74	72	67	74	71	73	70	69	70	67	69	75	83	86	88	88	80	83	70.7
	Minimum	43	43	45	44	42	46	52	45	39	49	47	43	51	54	48	41	48	42	48	41	51	42	46	38	37	43	47	59	65	64	54	47.0
Pleasantville§§	Maximum	63	64	55	52	56	64	76	61	61	70	....	....	62	74	63	60	73	69	74	70	67	72	57	64	69	77	83	79	88	71	74	67.2[h]
	Minimum	39	42	45	45	41	47	51	45	36	50	49	40	51	52	45	38	48	43	44	37	49	43	46	36	34	44	50	58	69	62	55	45.9
Runyon	Maximum	65	69	56	52	52	62	63	69	71	72	72	79	81	82	73	68	78	75	75	74	74	74	76	74	74	84	89	90	92	80	78	73.3
	Minimum	42	40	43	44	34	38	49	42	32	46	44	34	47	54	45	28	46	31	34	32	33	32	40	28	28	34	42	54	64	68	46	41.1
Trenton	Maximum	60	54	53	47	52	60	72	67	68	72	73	72	64	74	66	64	72	68	72	68	70	69	59	66	73	81	85	87	87	80	82	68.9
	Minimum	42	44	44	43	44	46	50	46	44	50	62	49	51	54	47	43	50	45	48	46	52	47	46	42	44	51	53	60	65	61	59	49.0
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philadelphia, Pa.	Maximum	60	54	56	60	51	60	72	66	68	72	74	73	63	74	66	65	74	68	74	67	69	69	60	66	73	81	83	86	85	77	82	69.0
	Minimum	45	47	45	45	46	49	53	48	49	52	57	56	53	56	51	46	52	47	52	51	52	53	48	46	51	56	58	62	67	66	62	52.3
The Sea Coast.																																	
Atlantic City	Maximum	63	58	52	49	50	60	74	58	58	60	69	65	57	72	60	56	61	69	73	66	61	72	58	62	68	72	74	68	70	67	68	63.5
	Minimum	45	45	45	45	47	48	51	47	48	61	54	52	52	53	50	44	51	46	48	49	49	51	48	44	47	53	59	60	59	59	57	50,2
Long Branch	Maximum	61	53	50	50	50	57	65	59	59	70	74	68	63	74	67	55	67	68	70	70	65	70	54	61	70	74	87	89	90	70	63	65.9
	Minimum	43	45	45	44	38	48	49	46	41	60	48	49	50	53	49	45	49	41	48	45	54	44	45	41	42	49	47	64	64	57	51	47.9
Sandy Hook	Maximum	60	52	51	50	52	59	61	61	60	67	70	67	64	70	65	58	68	67	67	68	64	68	55	63	72	75	80	85	85	71	64	65.1
	Minimum	47	44	46	44	45	48	48	48	47	52	53	51	54	54	50	48	50	47	52	49	54	51	44	48	48	52	55	61	63	56	54	50.4

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.176	.030	.054	.054	.028	.168	.042	.176	.208	.048	.240	.152	.144	.176	.224	.176	.240	.256	.224	.144	.128	.192	.096	.144	.196	.224	.240	.248	.196	.144	.066	4.814
	Wind movement	95	41	20	24	13	38	11	35	22	49	25	29	17	24	40	28	20	34	38	42	18	19	25	13	12	13	17	15	31	20	10	838
Pleasantville**	Evaporation	.192	.178	.094	*	*	*	*	.222	.212	.014	.320	.172	*	.206	.272	.160	.192	.352	.288	.310	.180	.270	.096	.288	.064	.320	.480	.320	.224	.160	.144	5.730
	Wind movement	155	87	86	94	16	130	60	130	95	104	95	73	82	43	111	77	72	80	101	88	61	61	91	59	53	95	100	29	136	67	29	2559
Runyon	Evaporation	*	*	*	*	*	*	.202	.192	.180	.060	.195	.195	.192	.088	.180	.195	.256	.256	.250	.240	.190	.190	.090	.120	.140	.160	.256	.260	.310	.120	.250	4.766
	Wind movement	102	35	30	32	20	24	32	55	70	27	24	27	32	29	39	27	42	24	42	38	42	47	19	13	21	22	36	46	78	14	17	1109

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

NJ

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XL. JUNE, 1935. No. 6.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

There were no outstanding features connected with the weather during the month, the average temperature being practically normal and the rainfall a little greater than usual. The highest temperatures were in the low nineties and were recorded mostly on the 17th, although that date is not included in one of the relatively warm periods (determined from the departures of the daily averages from the normal) which came from the 13th to 15th, inclusive, and again during the last few days of the month over the Interior. The lowest temperatures descended to the forties and low fifties on the 2d and 3d, and relatively cool periods also prevailed from the 8th to 10th, inclusive, and the 18th to 20th, inclusive.

Rainfall for the State as a whole averaged about one-fourth greater than the normal, with the following percentages determined for the various subdivisions: The Highlands, 126%; Red Sandstone Plain, 106%; Southern Interior, 134%; Sea Coast, 126%; The State, 125%. The rains were well distributed throughout the month and, as shown by the above percentages, fairly well apportioned to the various districts. Atlantic City experienced a rainfall of 4.22 inches in 24 consecutive hours on the 10-11th, but this is not the record for that station and there were no unusually heavy rains at other points. Thunderstorms were numerous but no damage by lightning, hail, or high winds of particular moment was noted.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 39 stations, was 68.9°, which was normal. The highest temperature was 96° at Elizabeth on the 15th, and the lowest was 38°, at Little Falls and Culvers Lake on the 2d and 3d respectively. The greatest daily range of temperature was 48° at Little Falls on the 2d. The highest monthly mean temperature was 72.2° at Belvidere, and the lowest, 66.4° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.3°; Red Sandstone Plain, —0.3°; Southern Interior, —0.5°; Sea Coast, +0.4°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 46 stations, was 4.64 inches, which was 0.93 inch above normal. The greatest monthly precipitation was 7.57 inches at Atlantic City, and the least, 2.72 inches at Somerville. The greatest amount of precipitation in any 24 consecutive hours was 4.22 inches at Atlantic City on the 10-11th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 13, or 3 more than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —4.02 inches; Red Sandstone Plain, —6.33 inches; Southern Interior, —0.70 inch; Sea Coast, —3.38 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 10 miles per hour, which was 2 miles below normal. The highest velocity, sustained for 5 consecutive minutes, was 35 miles per hour from the southeast at Long Branch on the 18th.

MISCELLANEOUS.

The per cent of possible sunshine was 60, or 1 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 29.95 inches, or 0.03 inch below normal. The highest reading was 30.28 inches on the 2d, at Atlantic City, and the lowest 29.49 inches at Long Branch on the 17th.

The mean stage of the Delaware River at Phillipsburg was 2.0 feet, and the highest 2.9 feet on the 11th. At Trenton the mean stage was 1.0 foot, with the highest of 1.7 feet occurring on the 24th.

Dense fog occurred over both northern and southern sections of the State on the 4th, 5th, 6th, 7th, 21st, 29th and 30th. It also occurred over scattered areas of the northern section on the 22d, of the southern on the 28th and was confined to the area near Atlantic City on the 8th, 17th and 19th. Thunderstorms were general over the entire State on the 4th, 5th, 6th, 13th, 17th, 18th, 19th, 20th, 21st, 22d and 27th.

Light hail was reported from Maple Shade on the 4th.

COMPARATIVE DATA FOR JUNE

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	−0.1	97	39	1.79	−1.92	3.37	0.72	0	....	....	....	....
1886	67.1	−1.7	91	41	3.38	−0.33	5.79	2.22	0	....	....	....	....
1887	68.2	−0 6	97	42	6.77	+3.06	10.29	4.21	0	10	....	....	....
1888	70.8	+2.0	99	39	2.59	−1.12	5.69	1.67	0	6	....	....	....
1889	69.9	+1.1	91	40	3.73	+0.02	6.75	2.39	0	10	....	....	....
1890	70.7	+1.9	95	42	3.59	−0.12	5.16	0.99	0	7	11	13	6
1891	69.7	+0.9	102	38	2.92	−0.79	6.71	1.24	0	5	14	9	7
1892	72.4	+3.6	98	44	3.85	+0.14	6.12	1.58	0	11	10	12	8
1893	69.7	+0.9	103	40	2.95	+0.76	7.02	0.46	0	8	10	11	9
1894	70.6	+1.8	102	35	2.28	−1.43	5.90	0.99	0	9	14	11	5
1895	71.7	+2.9	103	39	3.24	−0.47	5.99	0.93	0	10	11	11	8
1896	68.1	−0.7	96	37	5.46	+1.75	13.45	2.64	0	10	12	10	8
1897	66.1	−2.7	95	35	3.38	−0.33	5.50	2.12	0	10	10	13	7
1898	70.1	+1.3	100	38	2.10	−1.61	3.54	1.13	0	8	14	12	4
1899	72.3	+3.5	103	38	2.50	−1.21	4.34	1.01	0	7	15	10	5
1900	70.4	+1.6	97	39	3.08	−0.63	4.91	1.10	0	8	12	12	6
1901	70.0	+1.2	103	35	1.57	−2.14	4.36	0.73	0	5	18	8	4
1902	67.5	−1.3	99	37	6.57	+2.86	10.21	4.54	0	11	14	11	5
1903	64.0	−4.8	92	37	7.68	+3.97	15.02	2.39	0	15	6	10	14
1904	68.6	−0.2	100	34	3.13	−0.58	5.44	1.91	0	12	13	10	7
1905	68.3	−0.5	96	35	3.43	−0.28	8.71	1.67	0	10	11	12	7
1906	70.4	+1 6	98	38	4.48	+0.77	9.18	1.45	0	12	11	11	8
1907	64.7	−4.1	96	31	4.41	+0.70	6.85	3.15	0	10	12	10	8
1908	69.9	+1.1	99	35	2.32	−1.39	4.63	0.77	0	4	16	12	2
1909	70.0	+1.2	99	36	3.26	−0.45	5.70	1.71	0	12	9	10	11
1910	66.9	−1.9	95	34	5.17	+1.46	8.01	2.66	0	13	9	10	11
1911	68.9	+0.1	97	40	5.36	+1.65	10.11	2.84	0	14	9	12	9
1912	68.0	−0.8	98	33	1.94	−1.77	3.61	0.91	0	8	9	12	9
1913	69.1	+0.3	98	31	1.80	−1.91	3.76	0.68	0	5	19	8	3
1914	68.5	−0.3	98	35	2.66	−1.05	4.85	1.09	0	7	16	9	6
1915	67.0	−1.8	95	37	3.12	−0.59	6.51	1.40	0	11	13	10	7
1916	64.7	−4.1	87	36	4.20	+0.49	5.99	2.22	0	13	10	9	11
1917	68.9	+0.1	95	40	4.27	+0.56	7.14	2.80	0	12	13	10	7
1918	66.3	−2.5	96	32	3.43	−0.28	6.21	1.35	0	8	15	9	6
1919	69.5	+0.7	99	38	3.16	−0.55	3.58	0.37	0	8	16	7	7
1920	68.4	−0.4	98	38	6.18	+2.47	11.26	3.12	0	12	13	9	8
1921	70.4	+1.6	100	33	3.23	−0.48	5.64	1.40	0	8	18	7	5
1922	71 1	+2.3	95	39	6.31	+2.60	11.50	2.97	0	15	12	9	9
1923	72.5	+3.7	106	37	2.08	−1.63	5.44	0.72	0	7	18	8	4
1924	66.8	−2.0	95	30	4.20	+0.49	7.32	1.72	0	13	11	11	8
1925	73.6	+4.8	103	36	3.10	−0.61	6.16	0.72	0	9	17	9	4
1926	64.9	−3.9	97	31	2.60	−1.11	4.73	1.29	0	11	12	9	9
1927	65.4	−3.4	97	31	3.16	−0.55	5.24	1.46	0	10	15	9	6
1928	66.6	−2.2	93	36	6.75	+3.04	10.34	3.03	0	15	10	9	11
1929	69.5	+0.7	98	33	3.11	−0.60	5.41	1.41	0	9	15	9	6
1930	70.8	+2.0	98	30	4.17	+0.46	6.48	2.46	0	8	16	8	6
1931	69.3	+0.5	101	40	4.84	+1.13	7.42	2.18	0	10	16	7	7
1932	69.3	+0.5	98	30	3.68	−0.03	6.59	1.83	0	10	13	8	9
1933	71.0	+2.2	105	32	2.79	−0.92	5.71	0.52	0	9	17	8	5
1934	72.6	+3.8	103	38	3.68	−0.03	6.41	1.64	0	7	16	9	5
1935	68.9	+0.1	96	38	4.64	+0.93	7.57	2.72	0	13	14	8	8
Period	68.8	....	106	30	3.71	....	15.02	0.37	0	10	13	10	7

W. B. O. Philadelphia-8-7-35-900

Climatological Data for June, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	72.2	+3.3	95	27	50	2	36	4.52	+0.52	0.80	0	14	15	6	9	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	66.8	+1.8	93	17	39	2	44	3.74	−0.72	1.10	0	15	20	0	10	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	38	3	....	6.80	+2.36	2.00	0	7	19	2	9	s.	Brice E. Riker.
Dover	Morris	600	51	67.5	+0.7	89	15†	46	2	36	5.37	+0.94	1.64	0	13	4	18	8	......	William C. Harris
Layton	Sussex	480	34	66.4	+0.7	90	17	42	16	41	6.14	+1.61	1.16	0	13	10	7	13	sw.	A. M. Depue.
Long Valley	Morris	520	5	66.5	......	91	17	42	2	39	3.76	......	1.21	0	10	21	4	5	nw.	S. N .Dilts.
Newton	Sussex	769	52	67.2	−0.8	90	17	47	2	35	3.97	−0.51	1.08	0	13	7	8	15	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	69.4	+0.1	91	14†	47	2	36	4.83	+1.10	1.30	0	12	13	9	8	......	Town Engineer.
Sussex	Sussex	442	40	69.4^b	+2.6	93	17	47	3	37	7.26	+3.18	2.01	0	11	16	5	9	......	A. J. W. Mowatt
Means and extremes	......	......	....	68.2	+1.2	95	27	38	3	44	5.17	+1.06	2.01	0	12	14	7	9	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	......	......	......	......	......	......	....	4.35	+0.39	0.92	.....	12	16	3	11	ne.	John Kline.
Canoe Brook	Essex	173	5	66.6	......	91	17	40	2	41	3.62	......	0.98	......	12	18	5	7	w.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	...	3.73	−0.23	1.00	......	12	14	10	6	......	Paul Molitor, Sr.
Elizabeth	Union	45	56	68.8	−1.6	96	15	50	2†	38	3.89	+0.29	1.15	0	14	19	4	7	sw.	Union County Park Comm.
Flemington	Hunterdon	140	§49	69.8	+0.3	93	27	41	10	40	3.78	+0.17	0.78	0	13	20	4	6	s.	Hiram E. Deats.
Jersey City	Hudson	10	37	70.2	−0.7	90	17†	54	10†	29	3.67	−0.11	0.89	0	11	8	14	8	s.	S. K. Pearson.
Lambertville	Hunterdon	430	48	68.2	−1.3	91	27	50	2	31	5.20	+1.44	1.65	0	15	17	5	8	s.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	68.8	+0.1	92	17	38	2	48	4.08	+0.06	1.18	0	12	12	10	8	nw.	Passaic Valley Water Co
Newark	Essex	30	....	69.2	−0.4	90	17	53	2†	31	3.49	−0.38	1.11	0	11	....	....	....	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	68.8	−0.4	90	17†	50	2	32	3.62	−0.06	1.06	0	14	14	11	5	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	4.84	+1.29	1.24	0	15	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	68.1	−1.9	88	17	49	3	31	4.46	+0.76	1.07	0	12	12	11	7	s.	William H. Meyer.
Plainfield	Union	120	47	69.6	+1.0	91	17†	51	2†	35	3.79	−0.08	1.00	0	13	8	15	7	sw.	S. K .Pearson.
Ridgefield	Bergen	80	18	69.3	+1.7	89	17	51	2	32	4.06	−0.08	1.06	0	14	17	9	4	s.	George P. Kirsten.
Somerville	Somerset	70	52	68.2	−1.0	89	17†	46	2	32	2.72	−0.79	1.07	0	14	11	9	10	w.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	...	......	....	4.11	+0.75	1.00	0	13	....	....	....	.....	Hackensack Water Co.
New York, N. Y.	......	314	65	68.6	−0.2	87	13	54	10	24	3.64	+0.31	0.86	0	11	5	14	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	68.8	−0.4	96	15	38	2	48	3.96	+0.23	1.65	0	13	14	9	7	s.	
The Southern Interior.																				
Belleplain	Cape May	30	41	69.5	+0.6	92	17	41	2	36	3.53	+0.09	1.05	0	8	21	4	5	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	70.8	−1.3	93	17	48	1	33	4.80	+0.88	1.17	0	11	22	2	6	sw.	Bennett K. Matlack
Burlington	Burlington	12	§49	70.1	−1.6	95	1	46	12	40	6.52	+2.83	1.82	0	15	16	7	7	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	71.0	......	92	17	51	2	32	6.70	......	2.21	0	13	5	16	9	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	69.6	......	92	17	47	2	35	4.25	+0.64	1.45	0	14	22	1	7	w.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	70.8	......	92	14†	48	2	36	5.16	+1.40	0.90	0	13	19	6	5	nw.	Geo. W. Lobley.
Hightstown	Mercer	110	42	69.1	0.0	92	27	46	2	37	4.45	+0.69	0.84	0	15	10	14	6	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	68.8	−1.1	92	14†	42	2	42	4.30	+0.37	0.68	0	13	8	16	6	e.	James M. Armstrong.
Lakewood	Ocean	54	31	69.2	+1.0	93	17	49	2†	35	3.36	−0.65	0.60	0	12	13	7	10	sw.	R. W. Holman.
Maple Shade	Burlington	65	....	71.2	......	92	17†	49	2	38	5.46	......	1.01	0	15	8	12	10	sw.	Richard J. Smith.
Moorestown	Burlington	62	72	68.8	−1.4	91	17	52	1	30	5.45	+1.67	1.52	0	13	12	10	8	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	7.32	+4.03	1.92	0	15	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	70.3	......	92	17†	45	2	37	4.94	......	0.79	0	16	19	4	7	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	68.5	......	88	15	47	3	29	6.19	+2.69	1.82	......	12	19	5	6	s.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	......	......	......	......	......	....	......	......	......	......	......	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	69.6	......	93	17	45	3	43	3.48	−0.05	0.83	......	11	17	8	5	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	69.8	+0.3	90	17	52	2	28	4.09	+1.00	1.44	0	12	9	11	10	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	4.44	......	1.48	0	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	67.2	−1.6	84	14	48	19	20	5.87	+2.14	1.81	0	12	14	10	6	sw.	John H. Brown.
Philadelphia, Pa	......	114	64	71.5	+0.1	90	27	55	19	25	6.25	+3.01	2.05	0	15	8	13	9	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	69.6	−0.6	95	1	41	2	43	5.02	+1.27	2.21	0	13	15	8	7	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	68.0	+1.4	89	15	52	2	24	7.57	+4.53	4.22	0	12	6	11	13	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	67.8	+0.7	94	17	50	3	35	2.98	−0.88	0.68	0	13	6	16	8	se.	William D. Martin.
Sandy Hook	Monmouth	22	37	68.0	+0.2	87	17	55	19	25	2.85	−0.93	1.51	0	13	11	8	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	67.9	+0.8	94	17	50	3	35	4.47	+0.91	4.22	0	13	8	11	11	s.	
For the State	......	......	....	68.9	+0.1	96	15	38	2†	48	4.64	+0.93	4.22	0	13	14	8	8	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for June, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	....	T.	.35	....	.19	....	.18	.52	....	....	....	....	T.	T.	....	.40	.80	T.	.44	.36	.24	.05	....	....	....	.23	.01	.25	.50	....	4.52
Charlotteburg	Passaic	.03	....	....	.11	.11	.19	....	.11	.68	....	....	....	.11	....	.07	....	....	1.10	.16	.53	.02	.12	....	....	....	....	....	.34	....	.06	....	3.74
Culvers Lake	Delaware	....	....	....	T.	....	1.17	....	.30	.53	....	....	....	.05	....	....	....	....	1.75	....	....	....	1.00	....	....	....	....	....	....	2.00	....	....	6.80
Dover	Passaic	....	....	....	.30	....	.10	....	*	.90	.01	....	....	....	....	....	....	.60	.72	.55	.06	.25	.12	.. .	....	....	....	1.64	....	.12	....	....	5.37
Layton	Delaware	....	....	....	.64	....	.63	....	.12	.71	....	....	....	.01	....	....	....	.25	1.06	.04	.54	....	.78	....	....	.03	....	.17	....	1.16	....	....	6.14
Long Valley	Morris	....	....	....	.18	....	.22	....	.16	.61	....	....	....	....	....	....	....	....	1.21	.07	.41	.28	....	....	....	....	....	....	.44	....	.18	....	3.76
Newton	Delaware	....	....	....	.24	....	.21	....	.18	.46	.01	....	....	.10	T.	....	....	.40	1.08	.01	.89	.11	.21	....	....	....	....	....	....	.07	....	....	3.97
Phillipsburg	...do	....	....	T.	.20	....	.23	....	.34	.15	....	....	....	T.	T.	T.	....	1.30	.81	.73	.12	.05	.20	T.	....	....	....	.58	....	.12	....	....	4.83
Sussex	Hudson	....	....	....	.87	....	.14	....	.68	....	....	....	....	.02	....	....	....	....	2.01	.05	1.90	T.	.12	....	....	.39	....	.40	....	.68	....	....	7.26
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	.10	....	....	.05	.24	.10	....	....	.92	....	T.	....	....	....	....	....	....	.45	.57	.71	....	.19	.20	T.	...	....	....	.78	....	.04	....	4.35
Canoe Brook‖‖	Essex	.05	....	....	.02	.40	.11	....	....	.98	..	....	....	....	....	....	....	....	.30	.82	.22	....	.16	.16	....	....	....	....	.38	....	.02	....	3.62
Chatham ‖	...do	.05	....	....	.01	.31	.12	....	....	1.00	T.	....	....	....	....	T.	....	....	.23	.88	.26	....	.21	.05	....	....	....	....	.56	....	.05	....	3.73
Elizabeth	Coast	.16	....	....	.27	.02	.24	....	.20	.95	.03	....	....	....	....	T.	....	....	1.00	.02	.29	T.	.13	.. .	....	....	....	.49	.08	....	.01	....	3.89
Flemington	Raritan	....	....	....	.46	....	.37	....	.18	.78	T	....	....	.09	....	T.	....	....	.58	.04	.63	.03	.16	T.	....	....	....	.16	.02	....	.28	....	3.78
Jersey City	Coast	....	....	....	.30	....	.39	....	.44	.45	T.	....	....	....	....	.01	.. .	.27	.45	.46	.02	....	.06	....	....	....	....	.82	....	....	....	....	3.67
Lambertville	Delaware	....	....	T.	.69	....	....	....	.83	.82	.02	.05	....	.63	....	.03	....	.21	.50	.18	.75	.01	.12	.03	....	.. .	....	T.	....	....	.33	....	5.20
Little Falls.‖‖	Passaic	.05	....	....	....	.35	.10	....	....	1.15	.03	....	....	....	....	....	....	....	.22	.69	.16	....	.17	.17	....	....	....	....	.96	....	.03	....	4.08
Newark***	Coast	....	....	T.	.25	T.	.23	. ..	.67	.44	T.	....	....	....	....	.02	....	.32	.68	.27	.01	T.	.08	....	....	....	....	.52	....	T	....	....	3.49
New Brunswick	Raritan	....	....	....	.27	.03	.24	....	.19	1.06	.01	....	....	.10	T.	.05	....	.36	.18	.23	....	.13	.02	....	....	....	....	....	.75	....	T	....	3.62
New Milford‖‖	Hackensack	.16	....	....	.03	.25	.58	.03	....	1.24	.03	.01	....	.01	....	....	....	....	.18	.55	.20	....	.16	.20	....	....	....	....	1.21	....	....	....	4.84
Paterson	Passaic	....	....	....	.27	....	.09	....	.18	.89	T.	....	....	.02	....	.01	....	....	.89	.07	.32	T.	.48	T.	....	....	....	1.07	....	....	.17	....	4.46
Plainfield	Raritan	....	....	T.	.67	....	.11	....	*	1.00	.01	....	....	....	....	T	....	.26	.48	.25	.02	.01	.17	....	....	....	.80	. ..	....	.01	....	....	3.79
Ridgefield**	Hackensack	....	....	....	.05	.07	.42	....	.10	.96	.01	....	....	.05	....	.11	....	.23	.44	.32	....	T.	.31	....	....	....	....	.77	....	....	.22	....	4.06
Somerville	Raritan	.03	....	....	.52	....	.02	....	.25	.82	T.	....	....	.02	....	T.	....	....	.21	.03	.52	.02	.18	.01	....	....	....	.01	....	....	.08	....	2.72
Woodcliff Lake‖‖	Hackensack	.20	....	....	....	.21	.49	.01	....	1.00	.03	....	....	.03	....	....	....	....	.60	.31	.21	....	.15	.21	....	....	....	....	.66	....	....	....	4.11
New York, N. Y***	Coast	....	....	....	.32	T.	.37	....	.53	.33	T.	....	....	....	....	.01	....	.28	.46	.45	.02	T.	.06	....	....	....	....	.81	....	....	....	....	3.64
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	.23	....	....	.63	....	....	.29	1.05	....	....	....	T.	....	....	....	.45	.22	....	.10	.56	....	....	....	....	....	....	....	....	3.53
Bridgeton	Delaware	....	....	....	.46	1.17	....	....	.97	.32	.23	....	....	....	T.	....	....	.03	.58	.78	....	....	.17	....	....	....	....	.03	....	.06	....	....	4.80
Burlington	Delaware	.50	....	T.	.45	....	.60	....	.60	1.82	.30	....	....	....	....	.30	....	....	.21	.36	.35	T.	.17	.08	....	....	....	.35	.40	.03	....	....	6.52
Camden**	.. .do	....	....	....	.08	....	.65	....	1.81	.40	.06	....	....	....	....	.05	....	.07	.40	1.50	....	.09	1.00	....	....	....	....	.56	....	T.	.03	....	6.70
Freehold	Raritan	....	....	....	.23	.23	.46	....	.48	1.45	.02	.05	....	.10	....	T.	....	....	.50	.39	.07	....	.06	.03	....	....	....	....	.23	....	....	....	4.25
Hammonton	Mullica	....	....	.01	.76	.74	.02	....	.51	.26	.90	....	....	....	.02	....	....	.57	.28	.38	....	....	.27	....	T.	....	....	.44	....	....	....	....	5.16
Hightstown	Raritan	.03	....	T.	.36	....	.49	....	.42	.84	.09	....	....	.04	....	.01	....	....	.73	.19	.53	....	.10	.04	....	....	....	.57	.01	....	....	....	4.45
Indian Mills	Mullica	....	....	....	.68	....	.60	....	.18	.59	.48	.25	....	....	....	....	....	.22	.14	.35	.40	....	.15	.12	....	....	....	....	.14	....	....	....	4.30
Lakewood	Metedeconk	.60	....	....	.30	....	.30	....	.10	.38	T.	.25	....	....	....	....	....	....	.55	.12	.30	....	.12	.06	....	....	....	....	.28	....	....	....	3.36
Maple Shade	Delaware	T.	....	T.	26	....	.73	....	.71	1.01	.08	.06	....	....	....	.08	....	....	.16	.50	.63	T.	.14	.68	....	....	....	.35	.05	.02	T.	....	5.46
Moorestown‖‖	...do	....	....	....	.33	.75	T.	....	1.52	....	.07	....	....	....	.06	....	....	.06	.66	.60	....	.11	.70	....	....	....	....	.55	T	.03	.01	....	5.45
Northfield	Coast	.11	....	....	.60	.01	.89	....	.01	.30	1.92	1.47	....	....	....	.07	....	....	.10	.40	.31	....	.02	.08	....	....	....	....	1.03	....	....	....	7.32
Pemberton	Delaware	.11	....	....	.67	.01	.72	....	.79	.55	.02	.22	....	....	....	....	....	....	.18	.22	.24	T.	.05	.40	.08	.20	....	....	.48	....	....	....	4.94
Pleasantville‖‖	Coast	.08	....	....	.02	.49	.78	....	.02	....	1.27	1.82	....	....	....	.07	....	....	T.	.50	.40	....	....	.08	....	....	....	....	.66	....	....	....	6.19
Port Norris	Maurice	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Coast	....	....	....	.54	....	.31	....	.63	.83	....	....	....	....	....	....	.18	....	.34	.10	.19	....	.06	....	....	....	....	....	.24	....	.06	....	3.48
Trenton***	Delaware	.. .	....	T.	.12	T.	.50	T.	.90	.54	.02	....	T.	....	....	T.	....	.54	.38	.81	.01	.06	.06	....	....	....	....	.15	....	T.	T.	....	4.09
Trenton No. 2‖‖	...do	.14	....	....	T.	.23	.49	....	....	1.48	T.	.02	.. .	....	....	T.	....	....	.72	.48	.56	....	.14	.06	....	....	....	....	.12	....	....	....	4.44
Tuckerton	Coast	....	....	T.	.04	.60	....	....	.09	.02	1.81	1.46	....	....	....	....	....	....	.42	.51	.71	....	.06	.. .	.07	....	....	....	.08	....	....	....	5.87
Phila., Pa***	Delaware	....	....	T.	.14	.01	.64	....	1.57	.48	.09	....	....	....	....	.06	....	.06	.35	1.64	T.	.10	.74	....	....	....	....	.31	....	.01	.05	....	6.25
The Sea Coast.																																	
Atlantic City***	Coast	....	....	T.	.54	....	.65	....	.01	.38	4.21	.03	....	T.	....	.07	....	.06	.26	.64	T.	. ..	.05	....	....	....	....	.67	....	....	....	....	7.57
Long Branch**	...do	....	....	....	.36	T.	.27	....	.68	.40	.09	.01	....	.04	....	T.	....	.25	.16	.52	.01	....	.10	....	....	....	....	.09	....	....	....	....	2.98
Sandy Hook***	...do	....	....	T.	.32	.02	.04	....	1.20	.31	.05	....	....	....	....	.01	....	.18	.14	.42	.02	T.	.03	....	....	....	....	.11	....	....	....	....	2.85

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity[2]			Percentage of sunshine[3]
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction[1]	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	29.96	30.28	2	29.56	17	13.3	34	e.	19	82	77	83	56
Long Branch	29.95	30.26	2	29.49	17	8.4	35	se.	18	79	63	70	61
New York, N. Y	29.94	30.26	2	29.51	18	11.8	39	nw.	17	77	60	69	59
Philadelphia, Pa	29.95	30.29	2	29.52	17	11.5	39	sw.	17	73	56	68	63
Ridgefield	29.94	30.25	2	29.50	18	......	......	......	......	......	......	......	......
Sandy Hook	29.94	30.25	2	29.51	17	11.3	33	n.	1	81	68	80	62
Trenton	29.94	30.27	2	29.50	17	8.4	21	n.	1	76	56	69	62

Daily Temperatures for June, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	82	86	81	68	86	76	83	70	69	70	83	85	91	93	91	87	93	75	59	80	83	83	79	83	87	90	95	91	92	90	....	82.7
	Minimum	57	50	59	60	68	61	70	59	57	53	64	65	65	69	70	55	68	58	55	57	61	66	57	52	66	64	66	68	66	65	....	61.7
Charlotteburg	Maximum	81	83	84	77	81	80	76	76	70	69	76	83	84	86	87	89	93	88	61	78	79	80	85	77	80	84	86	81	89	89	....	81.1
	Minimum	50	39	44	55	60	65	49	55	54	50	53	52	52	55	64	47	52	65	50	54	48	63	50	50	52	47	51	53	53	54	....	52.5
Dover	Maximum	78	82	75	67	79	73	76	62	68	64	79	83	87	87	89	82	89	75	63	78	78	80	76	77	84	86	88	87	87	87	....	78.9
	Minimum	51	46	51	58	60	56	53	56	56	50	55	57	57	60	68	54	57	54	51	55	53	64	56	52	56	54	59	63	59	62	....	56.1
Layton	Maximum	78	80	75	67	81	75	77	70	68	68	80	82	85	86	88	83	90	73	58	78	80	80	75	77	32	84	88	89	88	87	....	79.1
	Minimum	50	44	46	60	57	56	51	56	55	45	52	51	52	52	70	42	56	57	51	55	52	64	52	48	55	49	54	65	55	62	....	53.8
Long Valley	Maximum	78	81	78	72	81	76	78	67	68	65	79	82	85	89	87	84	91	75	58	70	80	79	76	72	82	85	90	86	87	87	....	78.9
	Minimum	54	42	46	44	69	56	53	55	55	50	52	50	55	57	66	51	55	57	51	53	51	63	60	53	55	51	54	60	57	59	....	54.1
Newton	Maximum	78	82	78	68	82	75	78	69	68	66	78	81	84	88	87	83	90	74	56	76	79	79	74	74	81	84	89	81	87	88	....	78.6
	Minimum	52	47	52	57	59	65	55	54	53	48	53	64	55	58	69	51	69	55	50	53	57	62	58	52	56	55	60	63	62	60	....	55.8
Phillipsburg	Maximum	83	83	77	69	84	77	81	65	67	71	81	84	90	91	91	85	91	77	58	80	79	82	78	77	85	87	91	90	89	87	....	81.0
	Minimum	55	47	51	62	61	58	56	57	56	52	53	54	60	62	72	55	62	56	54	56	58	64	56	54	56	55	61	67	63	62	....	57.8
Sussex	Maximum	81	....	77	67	87	80	82	75	....	72	81	85	89	91	91	88	93	89	59	80	84	82	79	81	82	83	91	91	89	90	....	82.8[b]
	Minimum	51	....	47	60	59	57	55	57	....	50	54	53	55	56	70	51	59	58	61	55	54	64	54	51	54	52	58	65	61	61	....	56.1[b]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Canoe Brook§§	Maximum	80	81	82	76	83	75	76	65	71	70	79	83	87	88	88	82	91	75	69	79	83	83	78	78	83	85	88	86	89	87	....	80.7
	Minimum	44	40	41	56	59	55	47	55	56	50	54	48	55	53	68	47	63	58	53	54	48	61	51	46	51	47	53	61	55	60	....	52.6
Elizabeth	Maximum	72	75	86	80	65	69	67	69	69	66	79	79	94	83	96	94	91	95	67	74	74	78	78	82	79	83	95	80	79	94	....	79.7
	Minimum	52	50	50	60	61	57	54	57	58	54	58	56	62	62	70	57	58	57	55	56	55	65	51	54	58	57	60	65	62	65	...	57.9
Flemington	Maximum	80	86	79	70	85	77	82	77	68	68	84	85	91	90	91	87	90	86	60	82	82	84	80	81	84	89	93	91	91	89	....	82.7
	Minimum	54	46	50	58	63	57	53	58	57	41	56	55	60	64	70	54	60	58	52	56	54	65	57	63	57	56	59	64	61	63	....	57.0
Jersey City	Maximum	75	81	80	68	80	74	77	65	68	66	78	85	88	88	89	82	90	80	59	78	83	82	80	79	84	90	85	87	89	87	....	79.9
	Minimum	57	55	60	59	60	55	55	55	57	54	59	60	63	66	68	60	61	57	54	57	62	65	60	60	60	66	68	67	66	65	....	60.4
Lambertville	Maximum	78	81	78	73	82	75	78	66	65	65	70	82	84	87	86	84	88	73	59	76	82	80	75	76	82	85	91	86	87	87	....	78.7
	Minimum	53	50	56	61	57	56	55	57	56	52	57	57	58	63	68	54	60	56	52	55	58	56	58	55	56	58	62	66	63	63	....	57.6
Little Falls§§	Maximum	80	86	82	72	84	75	79	63	70	67	80	85	87	90	90	85	92	75	61	80	83	82	78	79	84	87	88	90	90	91	....	81.2
	Minimum	52	38	48	59	61	57	61	57	56	62	56	54	59	57	71	54	56	59	52	55	53	64	56	52	55	54	57	65	60	63	....	56.4
Newark	Maximum	76	81	80	66	80	73	74	65	69	65	81	85	88	88	89	79	90	75	58	80	81	80	79	78	81	86	87	85	85	86	....	79.0
	Minimum	56	53	53	61	61	56	56	58	68	56	59	57	62	65	68	58	59	56	55	57	59	66	59	56	60	60	62	66	64	65	....	59.4
New Brunswick	Maximum	75	79	78	73	78	73	76	70	66	65	77	81	85	86	88	86	90	87	59	77	82	81	78	77	82	85	90	84	80	86	....	79 4
	Minimum	51	50	51	61	61	57	64	55	57	54	57	57	61	63	69	57	58	58	54	57	57	66	56	54	57	57	60	66	63	65	....	58.1
Paterson	Maximum	76	80	80	74	81	73	76	72	67	67	77	80	83	85	86	80	88	86	59	76	82	79	77	75	79	84	86	82	86	86	....	78.7
	Minimum	55	51	49	60	62	57	52	57	58	54	57	55	60	64	72	56	58	57	53	56	54	64	58	55	56	55	58	58	60	63	....	57.5
Plainfield	Maximum	79	82	82	70	82	75	79	65	69	67	79	85	89	90	90	83	91	80	59	80	85	83	81	80	85	91	86	88	90	88	....	81.1
	Minimum	52	51	51	59	61	56	54	57	57	53	56	54	61	61	69	58	59	57	64	57	57	66	59	54	57	56	65	61	64	64	....	58.0
Ridgefield	Maximum	77	83	81	67	83	74	77	63	67	64	78	83	85	88	88	81	89	73	58	80	82	82	79	78	82	85	86	87	88	87	....	79.2
	Minimum	55	51	55	60	60	57	57	58	58	55	59	59	61	63	71	66	60	54	54	57	59	65	59	65	57	58	64	67	63	65	....	59.4
Somerville	Maximum	78	78	79	72	80	72	78	73	67	67	77	81	84	86	87	83	89	86	59	76	81	81	75	76	82	84	89	86	88	86	....	79.4
	Minimum	54	46	50	59	61	57	56	58	57	52	55	53	61	61	70	52	60	58	54	56	55	64	54	53	55	56	60	64	60	63	....	57.1
New York, N. Y	Maximum	72	79	78	65	76	72	72	64	65	64	76	84	87	85	86	79	86	75	59	75	79	78	76	76	81	85	81	85	85	85	....	77.0
	Minimum	57	55	60	58	56	55	55	55	56	54	69	61	64	67	68	60	62	56	54	57	62	65	60	60	60	67	68	68	66	65	....	60.3
The Southern Interior.																																	
Belleplain	Maximum	79	77	79	80	79	83	83	79	72	69	78	83	86	89	87	87	92	86	68	80	83	82	79	79	82	85	87	85	88	87	....	81.8
	Minimum	48	41	48	61	51	54	56	52	57	59	51	53	60	68	68	59	59	63	57	60	57	66	55	51	54	56	62	67	65	67	....	57.2
Bridgeton	Maximum	81	80	76	80	82	77	79	74	68	63	78	84	85	90	88	86	93	89	68	80	81	82	79	79	83	86	89	89	89	86	....	81.5
	Minimum	48	56	62	59	56	53	68	58	53	54	57	65	63	69	61	64	70	56	57	60	64	58	54	56	59	66	67	67	68	68	....	60.2
Burlington	Maximum	95	85	79	76	82	78	82	82	66	68	84	86	88	92	94	87	88	88	63	80	84	84	80	82	73	68	91	89	91	91	....	83.5
	Minimum	55	49	51	53	54	48	54	58	49	47	47	46	52	63	70	60	62	60	56	58	57	68	59	56	69	58	59	62	64	66	....	56.7
Camden	Maximum	80	83	80	76	81	74	81	67	66	67	81	85	89	91	89	85	92	82	63	80	83	82	80	79	82	87	91	88	91	90	....	81.5
	Minimum	56	51	55	66	59	59	54	55	59	58	68	58	62	66	70	64	64	57	56	59	62	61	60	60	61	60	65	69	66	68	....	60.6
Freehold	Maximum	75	81	82	74	80	74	78	71	66	66	78	82	85	87	89	88	92	89	59	80	82	82	83	80	83	86	89	85	90	88	....	81.1
	Minimum	51	47	60	58	60	66	55	56	58	54	58	56	59	62	69	57	57	57	54	56	56	66	58	56	54	57	59	66	59	68	....	58.0
Hammonton	Maximum	82	84	84	81	84	75	80	69	68	67	80	85	87	92	89	86	92	82	67	81	84	83	79	80	84	88	90	92	89	89	....	82.4
	Minimum	54	48	53	60	62	56	54	57	58	53	54	57	62	63	69	59	60	73	56	55	59	67	56	55	56	58	63	68	63	65	....	59.1
Hightstown	Maximum	77	83	81	75	91	76	81	67	66	65	78	85	85	89	87	85	90	83	59	80	82	82	78	81	85	87	92	84	90	89	...	80.8
	Minimum	51	46	52	61	62	57	55	56	57	54	58	56	59	61	69	55	59	56	54	56	57	67	55	53	53	56	56	65	61	65	....	57.4
Indian Mills	Maximum	79	84	81	79	84	75	82	70	66	65	80	83	87	92	90	87	92	84	63	81	83	83	80	81	83	80	90	89	90	91	....	81.8
	Minimum	49	42	45	59	60	55	53	55	56	56	55	51	56	59	67	58	57	58	54	57	56	65	53	51	53	62	58	64	60	59	....	55.8
Lakewood	Maximum	75	79	81	75	76	72	75	69	65	65	80	81	85	85	90	85	93	88	60	81	82	84	79	80	83	85	86	85	87	84	....	79.8
	Minimum	52	49	49	62	62	58	54	58	59	55	59	54	62	62	70	58	58	58	56	58	58	68	57	54	60	55	58	67	61	66	....	58.6
Maple Shade	Maximum	81	79	82	76	82	75	83	78	70	71	82	89	91	91	86	86	92	87	62	80	83	86	79	78	84	86	92	88	88	88	....	82.5
	Minimum	54	49	53	64	63	58	54	58	58	56	58	58	60	64	69	58	54	73	56	58	60	67	58	57	58	59	62	66	64	67	....	59.8
Moorestown	Maximum	80	80	80	75	81	73	79	66	65	67	79	82	85	89	87	84	91	81	67	78	82	81	77	76	81	84	90	88	89	81	....	79.9
	Minimum	52	57	53	63	58	58	54	59	59	57	58	59	60	65	69	59	61	58	57	58	61	60	58	58	59	59	65	67	64	68	....	59.8
Pemberton	Maximum	80	82	80	76	84	75	81	73	68	66	77	86	87	90	87	87	92	87	62	80	83	83	82	79	83	86	92	88	90	88	....	81.8
	Minimum	51	45	50	61	64	57	55	58	59	56	59	56	61	64	69	59	59	60	56	58	58	68	58	60	57	54	61	65	60	65	....	58.8
Pleasantville§§	Maximum	76	75	76	74	74	70	70	68	68	63	79	81	86	81	88	74	86	84	69	82	75	78	80	82	82	85	79	81	82	78	....	77.5
	Minimum	52	60	47	60	61	56	56	57	59	54	53	53	62	62	67	60	62	69	57	59	63	63	56	58	56	56	67	66	67	67	....	59.5
Runyon	Maximum	80	86	85	75	81	75	74	74	73	71	84	88	86	90	91	84	93	88	64	82	80	85	84	86	88	89	92	84	91	90	....	83.1
	Minimum	46	46	45	60	60	64	64	62	68	54	56	58	65	65	69	64	58	56	54	56	56	52	51	46	48	49	49	46	56	64	....	56.2
Trenton	Maximum	78	80	79	74	82	75	79	65	66	67	78	84	86	89	89	83	90	75	60	78	82	82	78	78	82	86	90	87	88	87	....	79.9
	Minimum	55	52	57	62	57	57	55	57	58	54	56	60	63	66	70	60	62	55	54	58	60	61	59	57	59	62	65	69	64	66	....	59.7
Tuckerton	Maximum	73	72	72	72	70	70	75	65	62	64	70	70	78	84	80	73	82	70	58	70	72	73	72	80	75	78	80	80	80	75	....	73.2
	Minimum	60	59	61	60	58	50	60	58	58	50	60	58	65	70	60	60	62	59	48	59	60	68	67	70	70	62	60	65	70	69	..	61.2
Philadelphia, Pa	Maximum	81	79	77	74	81	74	79	67	67	68	79	83	86	89	88	84	90	79	62	78	82	82	78	78	84	84	90	87	90	87	..	80.2
	Minimum	58	57	61	65	59	59	58	59	59	58	58	66	68	71	71	64	65	56	55	59	64	60	61	63	62	68	69	72	70	69	....	62.8
The Sea Coast.																																	
Atlantic City	Maximum	74	70	69	68	71	68	65	66	65	61	78	78	86	84	89	76	79	81	65	81	71	75	81	80	77	80	77	78	73	76	....	74.7
	Minimum	54	52	60	60	56	56	57	59	60	55	57	62	64	68	65	64	65	58	58	64	65	66	63	60	60	63	69	66	67	67	....	61.3
Long Branch	Maximum	73	76	77	68	70	66	67	63	64	62	79	80	81	82	90	70	94	73	58	75	77	83	80	79	81	85	79	82	83	76	....	75.8
	Minimum	54	52	50	62	58	57	57	58	58	58	58	59	62	67	71	61	59	56	55	57	59	68	62	58	60	62	65	65	63	65	....	59.9
Sandy Hook	Maximum	71	76	73	64	71	67	65	63	65	63	74	81	83	82	84	73	87	75	59	77	77	79	78	76	80	85	79	82	84	76	....	75.0
	Minimum	56	56	58	59	57	56	57	57	59	57	60	63	65	66	69	63	62	56	55	58	63	66	61	61	62	65	68	66	66	66	....	61.1

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.208	.240	.180	.024	.206	.104	.112	.212	.120	.048	.176	.184	.224	.248	.280	.224	.188	.036	*	.180	.128	.176	.224	.176	.224	.224	.212	.240	.148	.168	....	5.114
	Wind movement	22	20	16	25	7	34	19	27	16	3	10	18	10	12	31	27	20	25	48	26	17	23	21	22	16	9	13	24	17	10	....	588
Pleasantville**	Evaporation	.288	.272	.292	.026	.300	.144	*	*	*	*	.070	.288	.304	.230	.256	.288	.320	.116	.080	.320	.160	.144	.256	.240	.160	.368	.308	.272	.192	.192	....	5.886
	Wind movement	66	86	45	108	63	67	43	77	52	49	96	56	52	55	83	127	97	88	15	73	51	93	109	12	31	46	63	54	63	38	....	1958
Runyon	Evaporation	.150	.255	.240	.210	.120	.070	.180	.150	.010	.060	.150	.150	.240	.245	.240	.240	.250	.084	.100	.070	.120	.060	.240	.180	.180	.180	.240	*	*	.120	....	4.538
	Wind movement	20	30	33	27	25	38	12	21	25	30	26	23	21	15	57	18	26	49	59	52	28	27	29	12	17	20	19	14	4	16	....	794

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

NJ

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

H. O. GEREN.

TRENTON, N. J.

VOL. XL. JULY, 1935. No. 7.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month was warm and had about average rainfall for the State as a whole. However, the rainfall varied greatly between the various sections. There were no pronounced cool periods, there being but seven or eight days on which the average temperature was below normal and then only slightly. The highest temperatures occurred on the 12th and other dates and were mostly in the nineties, while the lowest were in the forties and fifties and were registered generally on the 3d.

The rainfall was quite variable, the monthly amounts ranging from less than an inch in the southern Sea Coast section to more than ten inches in the northwest portion. The heavy amounts in the latter district were due mainly to the disturbance which caused the excessive rains and disastrous floods in the Ithaca-Binghamton-Albany region of New York State. These downpours came mostly during the 8th and 9th in the Highlands section and on the 9th and 10th in portions of the Red Sandstone Plain. The largest amounts for the two days ranged between four and seven inches. There were frequent showers during the remainder of the month with the possible exception of the last five days which were rather dry. The monthly amounts for the various subdivisions, in percentages of the normal, were as follows: The Highlands and Kittatinny Valley, 156; Red Sandstone Plain, 126; Southern Interior, 68; Sea Coast, 55; State, 97.

No damage by wind, hail or lightning was reported.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 36 stations, was 76.0°, which was 2.3 above normal. The highest temperature was 101° at Charlotteburg on the 12th, and the lowest, 40°, at Runyon on the 3d. The greatest daily range of temperature was 45° at Runyon on the 30th. The highest monthly mean temperature was 79.0° at Belvidere, and the lowest, 73.4° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.6°; Red Sandstone Plain, 0.0°; Southern Interior, —0.2°; Sea Coast, +0.7°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 4.66 inches, which was 0.13 inch below normal. The greatest monthly precipitation was 10.94 inches at Belvidere, and the least, 0.70 inch at Atlantic City. The greatest amount of precipitation in any 24 consecutive hours was 6.51 inches at Dover on the 8-9th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 10, or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —1.30 inches; Red Sandstone Plain, —6.10 inches; Southern Interior, —2.27 inches; Sea Coast, —5.93 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 10 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 37 miles per hour from the south at Sandy Hook on 22d.

MISCELLANEOUS.

The per cent of possible sunshine was 70, or 7 per cent above normal.

The mean atmospheric pressure, reduced to sea level, was 30.00 inches, which was 0.02 inch above normal. The highest reading was 30.40 inches at Atlantic City on the 18th, and the lowest 29.69 inches at Trenton on the 9th and Ridgefield on the 31st.

The mean stage of the Delaware River at Phillipsburg was 4.8 feet, and the highest 20.0 feet on the 10th. At Trenton the mean stage was 2.6 feet, the highest being 11.1 feet on the 10th.

Dense fog occurred in scattered sections, mostly along the shore on the 15th, 17th, 18th, 19th and 26th. Thunderstorms occurred on the following dates: 1, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 16, 17, 19, 20, 21, 22, 23, 24, 25, 29 and 31. A moderate amount of hail fell on the 20th at Belvidere and Ridgefield. No damage was reported.

COMPARATIVE DATA FOR JULY

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	+1.5	100	44	3.50	−1.29	7.28	1.29	0	....	....	....	....
1886	73.0	−0.7	98	48	4.91	+0.12	7.95	2.98	0	....	....	....	....
1887	77.1	+3.4	102	54	7.67	+2.88	15.29	1.95	0	11	....	....	....
1888	71.1	−2.6	95	45	3.50	−1.29	7.03	1.25	0	9	....	....	....
1889	73.4	−0.3	95	48	10.19	+5.40	18.58	4.66	0	14	....	....	....
1890	72.5	−1.2	101	39	5.62	+0.83	7.55	3.60	0	9	12	11	8
1891	70.1	−3.6	95	43	5.30	+0.51	9.41	3.03	0	12	10	11	10
1892	74.3	+0.6	105	44	4.03	−0.76	7.96	2.38	0	8	12	14	5
1893	73.9	+0.2	102	40	2.72	−2.07	4.63	1.26	0	8	14	13	4
1894	75.7	+2.0	106	44	1.66	−3.13	5.00	0.15	0	6	14	12	5
1895	70.9	−2.8	99	41	4.26	−0.53	7.73	1.53	0	10	12	12	7
1896	75.0	+1.3	98	47	5.50	+0.71	13.29	2.45	0	13	13	10	8
1897	74.1	+0.4	102	50	11.42	+6.63	20.80	6.11	0	15	10	11	10
1898	75.3	+1.6	107	38	4.96	+0.17	11.72	2.23	0	10	11	13	7
1899	74.7	+1.0	98	38	5.75	+0.96	9.02	3.34	0	11	13	11	7
1900	75.9	+2.2	104	42	4.74	−0.05	7.21	1.11	0	11	15	12	4
1901	77.3	+3.6	107	45	5.87	+1.08	10.92	1.89	0	14	9	13	9
1902	73.0	−0.7	100	43	4.78	−0.01	9.92	1.83	0	13	10	12	9
1903	73.3	−0.4	100	38	5.51	+0.72	10.14	3.08	0	12	16	10	5
1904	72.3	−1.4	98	42	4.87	+0.08	8.06	2.41	0	13	13	10	8
1905	74.4	+0.7	102	42	4.06	−0.73	8.19	1.67	0	12	12	13	6
1906	72.8	−0.9	94	46	5.58	+0.79	13.25	3.44	0	12	11	14	6
1907	73.6	−0.1	96	40	2.62	−2.17	6.42	0.95	0	8	8	12	11
1908	75.6	+1.9	106	42	4.70	−0.09	8.12	1.97	0	9	12	13	6
1909	71.6	−2.1	99	36	2.12	−2.67	4.03	1.03	0	5	14	14	3
1910	75.3	+1.6	99	42	1.36	−3.43	5.33	0.22	0	5	12	12	7
1911	76.0	+2.3	104	42	3.64	−1.15	6.46	2.06	0	8	12	12	7
1912	73.7	0.0	100	36	3.86	−0.93	9.91	1.01	0	9	14	10	7
1913	74.4	+0.7	100	41	2.52	−2.27	4.72	1.50	0	8	20	9	2
1914	71.5	−2.2	97	40	6.05	+1.26	8.57	1.94	0	15	9	11	11
1915	72.8	−0.9	98	44	5.31	+0.52	11.06	2.23	0	14	10	13	8
1916	74.4	+0.7	97	45	5.40	+0.61	9.01	3.15	0	12	11	9	11
1917	74.2	+0.5	104	46	4.83	+0.04	7.93	2.38	0	12	10	11	10
1918	72.2	−1.5	104	39	3.93	−0.86	13.60	1.20	0	8	17	9	5
1919	73.5	−0.2	103	43	8.39	+3.60	14.14	4.45	0	14	14	7	10
1920	71.7	−2.0	96	42	5.76	−0.97	16.25	1.20	0	11	17	10	4
1921	76.5	+2.8	99	43	3.62	−1.17	7.36	1.66	0	10	14	9	8
1922	73.0	−0.7	98	44	5.79	+1.00	9.26	2.29	0	13	13	9	9
1923	71.9	−1.8	102	40	3.88	−0.91	6.28	0.93	0	11	15	8	8
1924	71.6	−2.1	98	41	2.59	−2.20	5.08	0.84	0	6	19	8	4
1925	72.0	−1.7	99	39	7.37	+2.58	10.09	4.03	0	13	15	9	7
1926	73.0	−0.7	105	40	5.46	+0.67	8.51	1.29	0	12	16	7	8
1927	72.7	−1.0	99	36	6.06	+1.27	9.34	2.95	0	11	13	10	8
1928	74.2	+0.5	96	41	6.86	+2.07	10.22	2.21	0	12	16	8	7
1929	73.0	−0.7	102	33	1.64	−3.15	3.93	0.51	0	6	17	9	5
1930	74.3	+0.6	105	42	3.98	−0.81	6.45	1.85	0	10	16	9	6
1931	76.6	+2.9	102	50	4.24	−0.55	7.55	0.80	0	11	13	10	8
1932	73.8	+0.1	98	41	2.76	−2.03	5.54	0.82	0	8	19	8	4
1933	73.4	−0.3	105	41	3.73	−1.06	6.05	1.20	0	8	16	8	7
1934	75.8	+2.1	100	43	3.65	−1.14	6.89	1.85	0	9	16	9	6
1935	76.0	+2.3	101	40	4.66	−0.13	10.94	0.70	0	10	14	11	6
Period	73.7	....	107	33	4.79	....	20.80	0.15	0	10	13	11	7

W. B. O. Philadelphia-8-26-35-900

Climatological Data for July, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	79.0^{f}	+5.8	97	6†	60	2†	28	10.94	+6.40	4.25	0	10	20	7	4	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	74.0	+4.1	101	12	42	4	42	3.63	−0.95	1.29	0	11	26	0	5	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	52	5	....	6.18	+1.40	2.10	0	8	23	6	2	s.	Brice E. Riker.
Dover	Morris	600	51	74.0^{a}	+2.6	93	12	50	3	33	9.69	+4.48	6.51	0	11	1	19	11	......	William C. Harris
Layton	Sussex	480	34	73.4	+2.5	95	12	49	3	37	6.71	+2.31	1.71	0	10	11	10	10	sw.	A. M. Depue.
Long Valley	Morris	520	5	73.5^{a}	......	92	5†	48	3	39	9.66	....	3.78	0	10	16	14	1	se.	S. N .Dilts.
Newton	Sussex	769	52	74.2	+1.7	93	11†	53	30	31	9.34	+4.51	3.30	0	10	9	14	8	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	76.4	+2.5	96	12	54	3	31	10.36	+5.88	3.53	0	14	16	9	6	......	Town Engineer.
Sussex	Sussex	442	40	......	......	......	......	......	......	....	5.20	+1.38	2.25	0	....	....	....	....	......	A. J. W. Mowatt
Means and extremes				74.5	+2.7	101	12	42	4	42	7.60	+2.72	6.51	0	11	15	10	6	s.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	......	......	......	......	......	......	....	4.76	+0.12	1.36	......	10	15	6	10	sw.	John Kline.
Canoe Brook	Essex	173	5	74.4	......	95	18	46	3	37	4.58	....	1.10	......	9	14	11	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	4.76	−0.18	1.51	0	9	13	10	8	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	75.6	+0.4	97	12	54	3	28	3.91	−0.81	1.37	0	11	20	7	4	sw.	Union County Park Comm.
Flemington	Hunterdon	140	§49	77.8	+3.3	97	5	52	3	35	9.32	+4.47	2.26	0	13	20	6	5	sw.	Hiram E. Deats.
Jersey City	Hudson	10	37	77.4	+1.6	94	12	62	3	26	3.58	−0.77	1.40	0	11	7	17	7	s.	S. K. Pearson.
Lambertville	Hunterdon	430	48	75.0	+1.0	92	5†	52	3	29	6.86	+2.22	2.03	0	15	12	12	7	w.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	76.8	+3.0	96	6†	51	3	33	3.58	−1.14	0.84	0	10	15	13	3	nw.	Passaic Valley Water Co
Newark	Essex	30	....	76.3	+1.7	96	12	57	3	28	3.12	−1.71	0.93	0	12	....	....	....	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	76.0	+2.0	93	6†	54	3	27	6.23	+1.00	2.25	0	11	16	11	4	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	5.48	+0.36	1.20	......	11	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	75.2	+0.7	91	12†	51	4	32	3.86	−0.44	1.07	0	8	16	11	4	s.	William H. Meyer.
Plainfield	Union	120	47	76.8	+3.2	96	12	51	3	29	5.46	−0.09	1.40	0	11	6	18	7	sw.	S. K .Pearson.
Ridgefield	Bergen	80	18	76.4	+3.5	94	12†	55	3	26	4.91	+0.09	1.76	0	9	15	6	10	s.	George P. Kirsten.
Somerville	Somerset	70	52	75.8	+1.8	94	5	50	3	30	6.03	+0.79	2.06	0	10	8	18	5	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	4.16	−0.41	1.02	......	12	....	....	....	......	Hackensack Water Co.
New York, N. Y.		314	65	76.2	+2.4	91	12	63	3	23	3.55	−0.69	1.27	0	13	4	17	10	sw.	U. S. Weather Bureau.
Means and extremes				76.1	+2.0	97	5†	46	3	37	5.03	+0.23	2.26	0	11	14	11	6	sw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	76.0	+2.6	94	23	47	3	34	2.38	−1.93	0.65	0	6	20	8	3	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	77.2	+0.7	95	12†	54	2	30	3.47	−0.98	1.04	0	9	21	4	6	sw.	Bennett K. Matlack
Burlington	Burlington	12	§49	77.4	+0.6	99	12	54	3	37	4.44	−0.50	1.00	0	11	18	4	9	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	78.0	......	95	12	56	3	26	5.81	....	1.37	0	10	6	19	6	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	76.4	......	94	12	51	3	31	3.53	−1.73	1.36	0	12	19	8	4	sw.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	78.1	......	95	11	57	3	28	2.53	−2.01	1.10	0	8	22	8	1	se.	Geo. W. Lobley.
Hightstown	Mercer	110	42	76.4	+2.3	96	20	50	3	31	5.33	+0.41	2.10	0	10	9	18	4	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	75.4	+0.9	95	12†	46	3	35	2.16	−2.59	1.10	0	8	10	17	4	sw.	James M. Armstrong.
Lakewood	Ocean	54	31	76.0	+3.0	96	19	50	3	33	1.93	−3.07	1.12	0	8	15	12	4	sw.	R. W. Holman.
Maple Shade	Burlington	65	....	77.3	......	94	12†	54	3	33	4.42	....	1.80	0	11	7	14	10	sw.	Richard J. Smith.
Moorestown	Burlington	62	72	76.8	+2.1	93	12	54	3	32	3.43	−1.27	1.71	0	12	12	14	5	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	1.34	−2.81	0.93	0	7	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	77.1	......	95	12	51	3	29	2.07	....	0.52	0	10	21	5	5	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	75.4	......	92	24	50	3	31	2.43	−1.63	1.04	......	6	24	3	4	s.	N. J. Water Policy Comm.
Port Norris	Cumberland	10	3	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	S. T. Garrison.
Runyon‡‡	Middlesex	18	12	75.4	......	97	12	40	3	45	4.03	−1.35	0.98	......	10	18	12	1	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	77.0	+2.5	95	12	56	3	25	4.07	+0.13	1.79	0	12	4	13	14	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	5.45	....	1.95	0	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	......	......	......	......	......	......	....	1.31	−2.67	0.41	0	11	18	8	5	sw.	John H. Brown.
Philadelphia, Pa		114	64	78.2	+2.0	95	20	63	4	24	5.07	+0.92	2.77	0	12	7	10	14	sw.	U. S. Weather Bureau.
Means and extremes				76.7	+1.8	99	12	40	3	45	3.34	−1.57	2.10	0	10	15	11	5	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	75.2	+3.1	90	24	62	28	21	0.70	−3.23	0.42	0	6	2	17	12	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	75.1	+3.0	95	12†	51	3	27	4.11	−1.74	1.12	0	11	10	14	7	se.	William D. Martin.
Sandy Hook	Monmouth	22	37	75.6	+2.1	93	12	63	3	22	3.33	−1.79	1.10	0	11	10	12	9	sw.	U. S. Weather Bureau.
Means and extremes				75.3	+2.7	95	12†	51	3	27	2.71	−2.25	1.12	0	9	8	14	9	s.	
For the State				76.0	+2.3	101	12	40	3	45	4.66	−0.13	6.51	0	10	14	11	6	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford aud Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for July, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	....	....	T.	....	....	T.	1.78	4.25	.84	....	....	.65	....	....	.45	....	....	....	.79	....	....	.45	.82	.83	....	....	....	.08	....	....	10.94
Charlotteburg	Passaic	....	....	....	....	....	....	.17	.24	1.05	.26	....	....	.36	....	....	.34	.26	....	....	.42	....	.06	....	.38	.09	....	....	....	....	....	....	3.63
Culvers Lake	Delaware	....	....	....	....	....	....	....	2.10	2.05	.23	....	....	....	....	....	.30	....	....	....	.50	.15	.25	.60	....	....	....	....	....	....	....	....	6.18
Dover	Passaic	....	....	....	....	....	....	.20	3.98	2.53	.35	....	.35	....	....	....	.30	....	....	.40	.05	....	....	.31	.74	.48	....	....	....	....	....	....	9.69
Layton	Delaware	....	....	....	....	....	....	.20	1.71	1.58	.11	....	....	.62	....	....	.37	....	....	....	.20	....	....	.90	.32	.70	....	....	....	T.	....	....	6.71
Long Valley	Morris	....	....	....	....	....	....	....	3.78	2.35	.30	....	....	.38	....	....	.02	.20	....	....	.60	....	....	.07	.92	1.04	....	....	....	....	....	....	9.66
Newton	Delaware	....	....	....	....	....	....	....	3.30	2.53	.53	....	....	.17	....	....	.52	T.	....	....	.56	....	.11	.78	.44	.41	....	....	....	....	....	....	9.34
Phillipsburg	...do	....	....	....	T.	....	....	T.	1.13	3.53	.07	....	.79	T.	....	.03	.56	....	....	.48	.19	.37	.13	2.20	.08	.75	....	....	....	....	....	.05	10.36
Sussex	Hudson	....	....	....	....	....	.29	....	2.25	1.90	.19	....	....	.04	....	....	....	....	....	....	....	....	....	....	....	.53	....	....	....	....	....	....	5.20
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	....	....	....	....	....	....	....	T.	.65	1.36	.10	....	.32	....	....	.59	....	....	....	.20	....	....	.10	.46	.07	.91	....	....	....	....	....	4.76
Canoe Brook‖‖	Essex	....	....	....	....	....	....	....	....	1.10	.88	.07	....	.53	....	....	....	....	....	....	.23	....	....	.30	.31	.54	.62	....	....	....	....	T.	4.58
Chatham‖	...do	T.	....	....	....	....	....	....	....	.72	1.51	.09	....	.42	....	....	....	....	....	....	.16	....	....	.39	.46	.40	.61	T.	....	....	....	T.	4.76
Elizabeth	Coast	....	....	....	....	....	....	T.	T.	.66	1.37	.03	....	.26	....	....	T.	....	T.	....	.41	....	.11	.07	.28	.70	....	....	....	.01	....	.01	3.91
Flemington	Raritan	....	....	....	T.	....	1.54	.13	.92	2.26	1.36	.05	....	.52	....	....	T.	T.	.05	....	1.49	T.	.12	.36	T.	.49	....	....	....	....	....	.03	9.32
Jersey City	Coast	....	....	....	....	....	....	T.	....	.20	.77	.04	....	.07	....	....	.17	....	....	.15	1.25	....	.18	.10	.20	.45	....	....	....	....	....	....	3.58
Lambertville	Delaware	....	....	....	T.	....	....	....	.89	2.03	1.15	.07	.14	.23	....	....	.04	....	.22	....	.47	.15	.06	.18	.20	.73	....	....	....	....	....	.30	6.86
Little Falls.‖‖	Passaic	....	....	....	....	....	....	.02	....	.38	.53	.26	....	.43	....	....	.12	....	.18	.03	....	....	....	....	.79	....	.84	....	....	....	....	....	3.58
Newark***	Coast	....	....	....	....	.01	.02	T.	T	.93	.23	....	.15	.08	....	....	T.	....	....	.31	.25	....	.27	.03	.32	.52	....	....	....	....	....	T.	3.12
New Brunswick	Raritan	....	....	....	....	.16	....	....	.50	.58	2.25	.62	....	.05	....	....	....	....	.30	....	.77	....	.40	.26	....	.34	....	....	....	....	....	....	6.23
New Milford‖‖	Hackensack	.49	....	....	....	....	....	....	....	.28	.32	.62	....	.25	....	....	.05	....	....	....	.45	.46	....	.21	1.15	....	1.20	....	....	....	....	....	5.48
Paterson	Passaic	....	....	....	....	....	....	T.	....	.50	.45	....	....	.26	....	....	.32	....	....	....	.46	....	T.	.46	.34	1.07	....	....	....	....	....	....	3.86
Plainfield	Raritan	....	....	....	T.	T.	....	T.	.62	1.40	1.30	....	....	.34	....	....	.01	....	....	.30	.28	....	T	.08	.03	1.05	....	....	....	.05	....	....	5.46
Ridgefield**	Hackensack	....	....	....	....	....	....	....	....	.41	.73	....	....	.33	....	....	....	....	....	.32	1.44	....	.31	.40	.08	.89	....	....	....	....	....	....	4.91
Somerville	Raritan	....	....	....	....	....	....	....	1.20	.67	2.06	.35	....	.41	....	....	....	....	....	....	.15	....	.18	....	.02	.98	....	....	....	.01	....	....	6.03
Woodcliff Lake‖‖	Hackensack	.62	....	....	....	....	....	....	.03	.07	.27	1.02	....	....	.11	....	....	.40	....	....	.35	.67	....	....	.07	.12	.43	....	....	....	....	....	4.16
New York, N. Y***	Coast	....	....	....	....	....	....	T.	.03	.62	.30	.06	.15	.07	....	....	.14	....	....	.23	1.04	....	.18	.12	.17	.44	....	....	....	....	....	....	3.55
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	....	....	....	....	.65	.60	....	....	....	....	....	.10	....	....	....	....	.10	....	....	....	.33	.60	....	....	....	....	T.	2.38
Bridgeton	Delaware	....	....	....	....	....	....	....	.40	.55	.04	....	....	....	....	.95	....	....	....	....	.23	1.04	.03	....	....	.18	....	....	....	....	....	.05	3.47
Burlington	Delaware	.25	....	....	....	....	....	....	.50	.98	.47	....	....	.50	....	....	.20	....	....	....	.19	.07	....	....	.25	1.00	....	....	....	....	....	.03	4.44
Camden**	..do	....	....	....	....	....	....	....	1.25	1.37	.10	....	....	T.	....	....	1.10	....	....	T.	.57	....	.06	.03	.27	1.01	....	....	....	....	....	.05	5.81
Freehold	Raritan	....	....	....	....	....	....	....	.01	.37	1.36	....	....	.06	....	....	....	.02	.02	....	.22	.78	.20	....	.02	.45	.02	....	....	....	....	....	3.53
Hammonton	Mullica	....	....	....	....	....	....	....	1.10	....	.18	....	....	....	....	.32	....	....	....	.33	.02	.20	.01	....	....	.37	....	....	....	....	....	....	2.53
Hightstown	Raritan	....	....	....	T.	....	....	....	.12	2.10	.95	.11	....	.07	....	....	.04	....	....	....	.95	....	.01	T.	T.	.95	....	....	....	....	....	.08	5.33
Indian Mills	Mullica	....	....	....	....	....	....	....	.08	1.10	....	....	....	....	....	....	.15	....	....	....	.32	.18	....	....	.09	.22	....	....	....	....	....	.02	2.16
Lakewood	Metedeconk	....	....	....	....	....	....	....	....	.26	.10	....	....	T.	....	....	....	....	.05	....	1.12	....	.06	....	....	.22	....	....	....	.08	....	.04	1.93
Maple Shade	Delaware	.02	....	....	....	T	....	....	.60	1.80	T.	.66	....	.06	....	....	T.	....	T.	....	T.	.11	.03	.05	.46	.56	....	....	....	....	....	.07	4.42
Moorestown‖‖	....do	.01	....	....	....	....	....	T.	1.71	.02	.11	....	....	....	....	.24	....	....	....	.17	.07	.09	.03	....	.58	.38	....	....	....	....	T.	.02	3.43
Northfield	Coast	....	....	....	....	....	....	....	.04	.93	.02	....	....	....	....	....	.07	....	....	....	.05	.07	....	....	....	.16	T.	....	....	....	....	....	1.34
Pemberton	Delaware	....	....	....	....	....	....	....	.11	.52	....	....	....	.03	....	....	.15	....	....	....	....	.38	.05	.39	.12	.20	.12	T.	....	....	....	T.	2.07
Pleasantville‖‖	Coast	....	....	....	....	....	....	....	....	.47	.25	....	....	....	T.	....	.20	....	....	....	.25	.22	....	....	....	....	1.04	....	....	....	....	....	2.43
Port Norris	Maurice	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Coast	....	....	....	....	....	.04	....	....	.72	.91	.22	....	.06	....	....	....	....	.65	....	.98	....	.18	....	.19	.08	....	....	....	....	....	....	4.03
Trenton***	Delaware	....	....	....	T.	....	....	.02	.42	1.67	.49	....	T.	.05	....	....	.17	.26	T.	.32	.21	T.	.08	T.	T.	.35	....	....	....	T.	....	.03	4.07
Trenton No. 2‖‖	....do	T.	....	....	....	T.	....	....	.03	1.95	.43	.85	....	.15	....	....	.23	....	.19	....	.36	.27	.01	.02	T.	.05	.88	....	....	....	....	.03	5.45
Tuckerton	Coast	....	....	....	....	....	....	....	....	.20	.02	....	....	....	....	.01	....	....	....	....	.26	.06	.02	.06	....	.22	.41	....	....	.03	....	.02	1.31
Phila., Pa***	Delaware	....	....	....	....	....	....	T.	1.49	1.28	.41	....	....	T	....	.18	.12	....	....	.02	.48	....	.14	.12	.23	.54	....	....	....	....	....	.06	5.07
The Sea Coast.																																	
Atlantic City***	Coast	....	....	....	....	....	....	....	.04	.38	....	....	....	T.	....	.01	T.	....	....	.22	.02	....	....	....	....	.03	....	....	....	....	....	T.	0.70
Long Branch**	....do	....	....	....	T.	....	....	....	T.	.39	.02	....	....	.06	....	....	.02	....	.12	.62	.78	....	.25	T.	.23	1.12	....	....	....	.50	....	T.	4.11
Sandy Hook***	....do	....	....	....	T.	.10	....	....	....	.80	.11	....	T.	.12	....	....	T.	T.	.01	.29	.81	....	.40	T.	.18	.29	....	....	....	.20	....	....	3.33

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level‡)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction‖	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.01	30.40	18	29.71	9	13.6	36	ne.	19	80	75	83	64
Long Branch	30.00	30.35	18	29.70	31	8.4	34	n.	19	80	64	82	67
New York, N. Y	29.99	30.38	18	29.69	31	12.1	46	n.	19	80	61	72	64
Philadelphia, Pa	30.01	30.41	18	29.73	9	11.1	40	n.	20	76	56	70	68
Ridgefield	29.99	30.39	18	29.69	31	......	......	......	......	......	......	......	......
Sandy Hook	29.99	30.38	18	29.71	31	10.8	37	s.	22	81	66	80	78
Trenton	29.99	30.38	18	29.69	9	8.3	30	ne.	20	80	59	70	70

Daily Temperatures for July, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	89	85	85	88	95	70	93	81	85	86	95	97	89	91	87	89	91	91	96	94	90	89	94	91	83	....	....	....	....	....	....	90.0^{f}
	Minimum	63	60	60	62	67	69	74	71	70	70	70	71	69	67	65	65	65	68	70	70	70	70	72	72	71	66	....	....	....	....	..	68.1^{e}
Charlotteburg	Maximum	86	87	82	80	91	85	92	89	86	80	91	101	93	89	92	84	86	91	92	95	92	85	92	88	91	82	87	82	82	84	88	87.9
	Minimum	59	49	43	42	49	65	67	70	72	67	65	62	65	52	58	60	53	59	64	64	64	68	68	70	67	62	54	48	56	56	62	60.0
Dover	Maximum	83	78	78	82	92	90	85	79	73	80	92	93	85	90	80	84	87	89	91	91	81	84	87	86	79	81	78	81	79	89	82	84.2
	Minimum	59	56	50	56	67	70	....	69	70	69	68	67	68	59	63	64	62	65	69	66	67	70	72	71	64	64	56	53	62	56	66	63.9^{a}
Layton	Maximum	87	83	81	83	93	93	87	78	72	83	93	95	85	87	84	84	87	88	93	90	85	85	88	90	78	84	85	80	78	86	86	85.5
	Minimum	50	53	49	52	60	66	65	69	68	65	62	65	66	57	58	51	58	62	67	63	67	70	68	71	69	68	55	54	60	52	63	61.2
Long Valley	Maximum	86	81	78	....	92	91	87	80	75	84	90	92	86	87	82	85	87	89	91	92	82	87	88	87	78	84	81	82	80	85	82	85.0^{a}
	Minimum	57	54	48	....	53	62	69	68	69	67	67	64	66	56	60	62	58	63	65	65	64	69	71	68	69	63	55	50	59	57	61	62.0^{a}
Newton	Maximum	86	81	80	83	90	92	90	90	72	85	93	93	85	86	85	84	88	86	90	90	84	85	88	88	81	83	82	81	79	84	83	85.4
	Minimum	56	54	57	56	65	68	68	68	67	66	64	68	66	62	60	60	59	67	68	64	64	66	68	70	67	64	56	55	61	53	65	63.0
Phillipsburg	Maximum	87	81	83	85	94	93	90	82	75	87	92	96	88	91	86	86	89	92	95	92	88	87	93	88	80	82	83	84	83	88	85	87.3
	Minimum	62	59	54	59	66	67	72	71	71	69	68	68	68	60	65	64	62	67	69	67	65	70	70	72	69	67	63	58	64	59	66	65.5
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
The Red Sandstone Plain.																																	
Boonton§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Canoe Brook§§	Maximum	86	82	77	86	93	93	89	84	80	85	93	94	90	91	82	85	88	95	94	93	89	87	92	91	82	82	79	80	84	87	84	87.0
	Minimum	55	51	46	51	64	65	66	71	70	67	63	63	67	56	59	63	61	62	67	64	64	69	72	69	70	62	56	51	59	50	61	61.7
Elizabeth	Maximum	77	76	73	82	92	92	93	89	81	78	82	97	95	84	88	83	86	89	91	95	84	86	86	83	83	80	77	74	80	86	84	84.7
	Minimum	63	60	54	57	64	70	70	73	72	70	69	70	69	64	61	67	70	68	70	67	70	72	73	73	71	67	61	57	62	60	65	66.4
Flemington	Maximum	89	82	87	85	97	94	89	84	78	90	96	95	88	94	86	88	92	93	96	95	86	88	93	94	88	84	86	86	82	90	86	89.1
	Minimum	64	60	52	57	68	70	70	71	71	69	69	70	69	64	65	65	66	68	70	68	66	72	73	74	71	67	60	57	64	61	66	66.4
Jersey City	Maximum	84	79	77	84	90	92	86	83	76	84	92	94	85	91	83	84	89	90	93	93	81	88	90	90	83	82	80	81	85	87	84	85.8
	Minimum	66	65	62	64	69	71	71	71	71	70	72	70	68	68	70	68	70	71	70	67	70	71	74	74	71	69	66	64	67	65	70	68.9
Lambertville	Maximum	82	83	81	83	92	92	89	83	77	84	90	86	82	80	82	84	88	89	91	91	88	87	90	88	78	78	79	82	83	84	82	84.7
	Minimum	60	62	52	60	67	69	70	70	70	69	69	66	68	66	65	64	66	69	65	68	65	69	72	64	70	67	58	56	63	60	65	65.3
Little Falls§§	Maximum	90	84	81	87	95	96	89	87	80	85	94	96	87	93	83	87	90	92	95	93	85	87	92	91	81	85	83	82	84	90	86	88.1
	Minimum	61	57	51	55	69	71	69	72	70	69	67	68	68	60	63	65	66	66	72	66	69	71	73	72	72	65	59	54	61	67	66	65.6
Newark	Maximum	84	80	77	84	90	90	84	83	76	83	91	96	85	91	81	84	85	90	93	91	80	84	90	90	81	81	79	79	83	90	84	85.1
	Minimum	67	62	57	58	67	71	70	73	72	70	69	71	70	67	69	69	70	69	68	69	70	73	73	71	69	66	62	59	63	62	67	67.5
New Brunswick	Maximum	83	80	73	84	90	93	90	85	78	81	91	93	90	89	82	83	88	89	92	90	80	86	89	89	85	78	79	80	83	85	83	85.4
	Minimum	64	63	54	57	68	70	70	72	71	70	70	70	69	65	65	66	67	68	71	67	68	70	73	75	71	67	61	58	63	60	66	66.7
Paterson	Maximum	84	79	78	83	89	90	86	84	77	80	88	91	89	88	81	82	85	87	91	90	81	85	89	87	78	80	81	78	82	83	82	84.1
	Minimum	61	59	53	51	67	70	70	73	71	70	68	69	69	60	63	65	65	66	72	67	70	72	73	74	70	65	68	55	63	65	68	66.2
Plainfield	Maximum	85	80	79	85	94	95	91	85	76	84	92	96	85	92	84	85	90	91	94	94	82	89	91	91	84	81	80	82	86	88	85	87.0
	Minimum	64	59	51	59	68	70	71	72	70	70	69	70	69	63	67	66	69	69	70	68	69	70	73	74	71	67	60	59	63	59	67	66.6
Ridgefield	Maximum	85	81	80	84	92	92	87	82	79	81	91	94	84	90	80	83	87	92	94	91	82	87	91	89	77	82	82	79	82	86	84	85.5
	Minimum	64	61	55	60	69	71	72	73	71	70	70	71	69	64	67	66	71	70	71	67	68	71	73	73	72	65	62	58	64	60	67	67.3
Somerville	Maximum	86	81	80	86	94	93	90	86	76	84	88	92	88	87	86	83	85	88	90	92	82	84	90	89	85	78	78	80	82	84	83	85.5
	Minimum	62	58	50	57	68	68	72	72	72	70	70	69	70	62	66	66	68	68	70	67	68	68	74	73	72	66	58	55	67	60	65	66.2
New York, N. Y	Maximum	84	78	75	80	87	88	82	79	76	82	90	91	85	89	80	81	86	87	89	90	78	83	88	87	80	82	78	79	80	85	82	83.3
	Minimum	67	65	63	64	69	71	71	71	71	70	72	68	68	69	71	68	71	71	70	67	70	71	74	74	71	69	67	64	67	65	70	69.0
The Southern Interior.																																	
Belleplain	Maximum	87	77	77	84	89	90	90	86	87	86	92	93	88	89	83	81	89	89	92	93	91	91	94	92	90	80	80	80	89	83	86	87.0
	Minimum	67	58	47	50	61	70	69	72	71	67	60	68	70	64	66	66	65	67	72	67	67	70	69	76	76	68	53	59	60	57	64	65.0
Bridgeton	Maximum	90	80	82	84	90	89	88	85	86	87	92	95	85	90	84	86	87	88	91	95	89	89	93	90	88	80	81	84	80	88	87	87.2
	Minimum	60	54	58	68	70	71	74	70	70	72	71	74	68	68	65	68	65	70	70	67	69	73	75	74	69	60	57	64	61	62	70	67.3
Burlington	Maximum	90	85	83	87	95	94	91	91	82	88	95	99	95	95	90	88	90	93	96	98	95	93	94	90	84	83	83	82	94	88	87	90.3
	Minimum	68	64	54	58	68	71	70	72	72	71	69	70	70	64	58	57	56	58	72	69	58	60	64	67	64	68	61	58	62	63	67	64.6
Camden	Maximum	85	82	82	83	93	93	90	83	85	84	90	95	86	92	85	83	88	91	92	93	91	90	92	93	85	81	82	82	88	87	84	87.4
	Minimum	65	62	56	62	70	73	72	72	72	72	72	73	72	68	69	68	68	70	71	70	69	71	74	72	71	66	62	62	66	65	64	68.4
Freehold	Maximum	83	79	78	87	91	92	88	87	83	83	91	94	90	91	82	82	87	91	93	93	83	88	90	91	86	80	79	80	85	86	87	86.5
	Minimum	66	60	51	56	67	72	71	71	71	70	69	73	68	64	67	65	72	66	71	66	65	71	72	75	72	66	58	55	61	58	64	66.2
Hammonton	Maximum	89	89	80	81	90	90	89	88	87	86	95	94	86	91	82	81	89	91	93	94	90	90	93	92	89	81	82	82	88	89	89	88.1
	Minimum	68	65	68	57	62	70	69	72	71	71	70	78	74	66	68	66	65	67	67	71	69	69	72	76	74	68	60	62	63	64	69	68.1
Hightstown	Maximum	82	78	79	86	94	94	91	85	80	87	93	95	87	92	81	84	91	93	95	96	84	90	93	91	83	78	79	80	86	88	84	87.1
	Minimum	63	59	50	57	67	70	70	72	72	69	69	69	68	65	68	65	66	67	71	66	66	69	73	74	71	66	58	55	63	57	65	65.8
Indian Mills	Maximum	84	81	80	85	86	90	90	84	87	84	92	95	83	91	83	82	90	92	95	91	89	91	93	93	87	80	82	83	87	86	87	87.2
	Minimum	65	53	46	50	63	68	67	70	70	70	65	68	69	60	64	64	63	63	70	65	65	67	70	74	71	64	64	51	59	56	59	63.6
Lakewood	Maximum	80	77	77	87	89	91	89	86	81	84	89	95	90	87	83	83	88	89	96	91	83	88	92	90	84	79	78	79	84	87	85	85.8
	Minimum	67	59	50	54	67	70	70	72	72	71	70	71	70	64	67	64	66	67	72	67	65	72	72	76	73	68	57	53	61	61	64	66.2
Maple Shade	Maximum	84	82	83	83	92	92	92	86	85	85	92	94	89	90	86	83	89	90	92	94	92	89	92	90	83	81	81	83	86	86	84	87.5
	Minimum	66	62	54	59	59	71	70	72	72	70	70	71	70	66	67	67	66	69	72	68	68	70	73	76	73	68	60	58	63	61	68	67.1
Moorestown	Maximum	83	80	86	82	90	90	90	84	85	84	90	93	84	89	83	82	88	88	90	92	90	88	92	89	83	81	80	81	85	85	84	86.2
	Minimum	64	58	54	59	68	72	72	73	73	71	70	73	71	67	68	67	66	70	69	69	69	71	74	76	69	62	60	58	66	63	69	67.5
Pemberton	Maximum	82	79	80	83	91	93	90	85	85	85	93	95	91	92	81	85	91	93	94	94	90	89	92	89	82	81	81	86	87	87	85	87.5
	Minimum	67	61	51	55	66	70	70	72	72	72	69	69	70	63	68	67	66	67	73	68	68	69	73	76	73	67	60	59	63	59	64	66.7
Pleasantville§§	Maximum	82	76	74	79	86	84	84	83	87	84	88	91	85	84	79	77	82	84	91	91	84	87	91	92	88	88	78	82	87	84	85	84.4
	Minimum	68	61	50	52	68	72	71	73	73	70	68	70	76	65	66	69	67	69	71	68	68	70	70	72	75	66	58	54	56	58	63	66.4
Runyon	Maximum	90	80	81	87	95	95	94	87	84	84	93	97	90	93	84	84	93	93	95	94	83	89	92	92	88	80	81	86	85	92	87	88.6
	Minimum	58	44	40	58	65	70	69	71	71	70	63	65	67	57	69	65	66	63	62	62	64	69	72	75	72	64	54	48	47	47	61	62.2
Trenton	Maximum	84	80	80	82	90	90	88	83	78	84	92	95	86	90	82	83	89	88	93	94	89	86	91	91	80	80	80	83	85	86	84	86.0
	Minimum	68	62	56	60	68	71	71	73	71	70	71	72	71	69	69	66	67	69	70	69	67	71	74	76	69	67	62	60	65	63	68	67.9
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philadelphia, Pa	Maximum	85	80	81	79	88	89	88	81	83	83	93	93	87	90	84	82	88	88	91	95	90	88	90	88	83	81	82	80	88	87	84	86.1
	Minimum	70	66	63	63	71	74	72	71	71	73	74	77	73	72	69	67	69	71	71	71	72	73	75	74	72	70	67	65	69	66	71	70.4
The Sea Coast.																																	
Atlantic City	Maximum	76	74	72	77	81	80	81	80	87	81	84	89	86	82	79	75	81	80	80	85	81	81	80	90	79	75	76	76	86	84	81	80.6
	Minimum	68	68	66	67	71	72	73	73	73	72	74	76	75	72	72	69	68	71	70	68	70	71	69	69	70	67	66	62	68	64	71	69.8
Long Branch	Maximum	78	75	73	82	89	86	83	80	80	79	88	95	84	83	80	81	84	89	95	88	78	87	92	90	81	77	76	75	84	84	85	83.3
	Minimum	65	56	51	57	70	71	70	70	71	71	71	73	70	67	69	68	68	71	68	66	68	73	75	77	69	62	59	57	64	60	68	66.9
Sandy Hook	Maximum	78	76	72	81	84	87	80	79	76	80	86	93	83	84	78	81	80	85	91	86	76	86	88	87	79	77	76	74	81	85	83	81.7
	Minimum	66	65	63	64	71	72	71	70	71	71	72	71	71	71	71	70	69	71	70	69	70	73	74	76	70	70	67	66	67	65	70	69.6

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	.248	.248	.256	.192	.232	.248	.208	.084	.008	*	.294	.266	.144	.256	.160	.144	.224	.320	.134	.288	.120	.156	.198	.188	.044	.176	.176	.200	.216	.248	.152	5.828
	Wind movement	13	33	10	28	21	16	26	46	65	10	3	8	16	7	11	20	9	16	25	8	11	24	11	10	14	4	13	16	21	19	9	543
Pleasantville**	Evaporation	.320	.304	.256	.240	.240	.320	.288	.262	.090	.304	.240	.240	.160	.208	.104	.160	.288	.288	.346	.316	.272	.320	.320	.288	*	.048	*	.304	.288	.320	.240	7.374
	Wind movement	41	60	63	46	58	78	75	109	111	49	32	42	66	31	41	66	40	52	72	50	39	52	80	69	42	36	34	92	31	57	58	1772
Runyon	Evaporation	.240	.245	.240	.180	.240	.180	.250	.240	.100	.100	.100	.240	.180	.180	.155	.130	.125	.170	.260	.380	.090	.244	.180	.190	.080	.120	.120	.180	.240	.220	.180	5.779
	Wind movement	14	22	19	32	13	22	41	35	48	9	6	17	19	11	5	20	10	17	32	16	18	18	19	11	11	41	18	14	18	12	24	612

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

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CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

AUGUST, 1935. No. 8.

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arge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

re averaged slightly above the normal for the
rainfall was decidedly less than normal. Daily
ıres were below the normals during the periods
4-25th, and 29th-31st, and above them during
rtions of the month. The highest tempera-
ed on the 1st and 13th and were up in the
lowest were in the forties and occurred gen-
, 29th and 31st.
rly frequent during the month but were most-
amount for the State was only a little more
al and was the lowest for the month of August
n years. The various subdivisions experi-
percentages of their normal amounts: The
Red Sandstone Plain, 42%; Southern Interi-
st, 48%; State, 54%. Light to moderate
on the 11th and 30th, but the other rains
rather local and of light amounts as a rule.
ports of material damage by wind or hail,
ttered cases of damage or loss of life (one

TEMPERATURE.

temperature of the State, as computed from stations, was 72.4°, which was 0.6° above normal. The highest temperature was 98° at Burlington on the 13th, and the lowest, 36°, at Runyon on the 25th. The greatest daily range of temperature was 50° at Charlotteburg on the 29th. The highest monthly mean temperature was 74.6° at Camden and Jersey City, and the lowest, 69.2° at Layton.

The temperature departure from the normal for the year. 1935, to date, by sections, is: The Highlands, +0.8°; Red Sandstone Plain, +0.1°; Southern Interior, —0.1°; Sea Coast. +0.8°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 2.57 inches, which was 2.18 inches below normal. The greatest monthly precipitation was 6.34 inches at Indian Mills, and the least, 0.11 inch at Culvers Lake. The greatest amount of precipitation in any 24 consecutive hours was 3.14 inches at Trenton No. 2 on the 15th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 8, or 2 less than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands. —3.72 inches; Red Sandstone Plain, —8.82 inches; Southern Interior, —3.85 inches; Sea Coast, —8.22 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 10 miles per hour, which was 1 mile above normal. The highest velocity, sustained for 5 consecutive minutes, was 41 miles per hour from the northwest at Atlantic City on the 14th.

MISCELLANEOUS.

The per cent of possible sunshine was 64, or 2 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.02 inches, which was 0.02 inch above normal. The highest reading was 30.30 inches at three stations on the 18th, and the lowest 29.62 inches at Ridgefield on the 1st.

The mean stage of the Delaware River at Phillipsburg was 1.6 feet, and the highest 2.9 feet on the 3d. At Trenton the mean stage was 0.9 foot, and the highest 1.8 feet on the 4th.

Dense fog occurred on the following dates: 1, 12, 14, 16, 17, 19, 22 and 31. Thunderstorms were noted on the following dates: 1, 2, 3, 4, 5, 13, 14, 15, 16, 22 and 23. Light hail fell at Maple Shade on the 1st, at Moorestown on the 1st and 14th and at Trenton on the 15th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	−0.1	95	40	6.11	+1.36	10.09	3.47	0	....	....	....	....
1886	69.5	−2.3	96	42	2.81	−1.94	5.36	1.10	0	....	....	....	....
1887	70.4	−1.4	94	42	3.76	−0.99	7.34	2.09	0	....	....	....	....
1888	72.5	+0.7	98	41	6.13	+1.38	10.53	2.55	0	....	....	....	....
1889	69.6	−2.2	91	45	5.13	+0.38	9.06	1.93	0	....	....	....	....
1890	71.5	−0.3	99	40	4.90	+0.15	7.51	2.89	0	11	8	15	8
1891	72.8	+1.0	100	46	5.32	+0.57	8.89	2.58	0	13	8	11	12
1892	73.4	+1.6	99	46	3.63	−1.12	5.65	0.72	0	9	12	13	6
1893	72.8	+1.0	98	38	6.52	+1.77	11.94	3.55	0	8	14	11	6
1894	70.9	−0.9	97	44	2.58	−2.17	9.28	0.15	0	7	13	12	6
1895	74.2	+2.4	102	34	2.53	−2.22	5.06	0.02	0	7	16	12	3
1896	73.6	+1.8	105	39	1.83	−2.92	3.27	0.50	0	7	17	10	4
1897	71.0	−0.8	91	41	4.39	−0.36	8.69	2.07	0	9	14	12	5
1898	74.8	+3.0	98	42	5.36	+0.61	9.28	2.70	0	10	12	12	7
1899	72.3	+0.5	99	39	4.36	−0.39	9.70	2.16	0	9	10	12	9
1900	76.3	+4.5	104	41	2.68	−2.07	4.56	0.70	0	10	15	11	5
1901	73.8	+2.0	98	44	9.43	+4.68	15.80	4.88	0	11	12	10	9
1902	70.1	−1.7	93	40	3.91	−0.84	10.67	1.31	0	9	15	13	3
1903	68.4	−3.4	98	39	6.95	+2.20	14.54	4.30	0	13	10	10	11
1904	70.8	−1.0	92	37	6.62	+1.87	13.01	2.65	0	9	15	10	6
1905	71.1	−0.7	95	38	5.72	+0.97	9.88	3.51	0	12	13	10	8
1906	74.6	+2.8	97	42	5.95	+1.20	17.91	2.21	0	13	10	11	10
1907	70.5	−1.3	96	39	3.45	−1.30	7.61	1.79	0	10	14	12	5
1908	70.6	−1.2	103	36	5.05	+0.30	9.23	2.43	0	10	11	10	10
1909	70.2	−1.6	100	34	4.59	−0.16	12.94	1.41	0	6	14	9	8
1910	70.4	−1.4	92	36	3.78	−0.97	8.46	1.76	0	10	9	10	12
1911	72.1	+0.3	101	39	8.91	+4.16	14.74	5.31	0	11	10	11	10
1912	70.0	−1.8	95	35	3.42	−1.33	7.62	1.19	0	10	12	13	6
1913	71.7	−0.1	100	38	4.06	−0.69	10.21	1.93	0	10	18	9	4
1914	73.3	+1.5	98	46	3.15	−1.60	6.53	1.04	0	9	13	12	6
1915	70.9	−0.9	98	41	7.73	+2.98	10.92	4.02	0	13	11	11	9
1916	73.2	+1.4	100	40	1.34	−3.41	4.15	0.27	0	6	20	7	4
1917	74.0	+2.2	103	42	2.21	−2.54	5.68	0.86	0	8	18	9	4
1918	74.4	+2.6	108	40	1.85	−2.90	4.25	0.34	0	7	18	7	6
1919	69.9	−1.9	98	38	6.89	+2.14	12.88	3.09	0	13	13	10	8
1920	72.3	+0.5	94	42	6.10	+1.35	10.60	2.94	0	17	8	11	12
1921	69.8	−2.0	97	38	4.32	−0.43	8.01	2.05	0	9	18	7	6
1922	71 2	−0.6	96	39	4.03	−0.72	6.78	2.18	0	12	13	9	9
1923	70.8	−1.0	98	35	2.44	−2.31	4.81	1.23	0	8	17	8	6
1924	71.9	+0.1	102	38	4.40	−0.35	9.48	1.82	0	8	18	8	5
1925	71.0	−0.8	93	35	2.10	−2.65	4.12	0.94	0	7	20	6	5
1926	72.8	+1.0	101	38	6.58	+1.83	8.84	3.74	0	14	11	9	11
1927	67.1	−4.7	89	37	8.55	+3.80	12.87	2.88	0	12	11	9	11
1928	74.5	+2.7	99	45	6.72	+1.97	14.26	3.33	0	13	12	8	11
1929	69.8	−2.0	97	39	2.58	−2.17	4.86	0.88	0	9	16	8	9
1930	71.1	−0.7	101	34	3.32	−1.43	5.58	1.92	0	6	16	9	6
1931	73.5	+1.7	101	45	5.10	+0.35	9.61	2.26	0	12	12	8	11
1932	73.5	+1.7	99	44	2.75	−2.00	7.49	1.00	0	7	20	7	4
1933	72.7	+0.9	101	45	10.53	+5.78	15.15	6.45	0	14	12	9	10
1934	69.8	−2.0	100	33	3.61	−1.14	9.11	1.40	0	10	14	8	9
1935	72.4	+0.6	98	36	2.57	−2.18	6.34	0.11	0	8	14	10	7
Period	71.8	....	108	33	4.75	....	17.91	0.02	0	10	13	11	7

W. B. O. Philadelphia-10-10-35-900

Daily Temperatures for July, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26						
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	89	85	85	88	95	70	93	81	85	86	95	97	89	91	87	89	91	91	96	94	90	89	94	91	83	...						
	Minimum	63	60	60	62	67	69	74	71	70	70	70	71	69	67	65	65	65	68	70	70	70	70	72	72	71							
Charlotteburg	Maximum	86	87	82	80	91	85	92	89	86	80	91	101	93	89	92	84	86	91	92	95	92	85	92	88	91							
	Minimum	59	49	43	42	49	65	67	70	72	67	65	62	65	52	58	60	53	59	64	64	64	68	68	70	67							
Dover	Maximum	83	78	78	82	92	90	85	79	73	80	92	93	85	90	80	84	87	89	91	91	81	84	87	86	79							
	Minimum	59	56	50	56	67	70	....	69	70	69	68	67	68	59	63	64	62	65	69	66	67	70	72	71	64							
Layton	Maximum	87	83	81	83	93	93	87	78	72	83	93	95	85	87	84	84	87	88	93	90	85	85	88	90	78							
	Minimum	50	53	49	52	60	66	65	69	68	65	62	65	66	57	58	51	58	62	67	63	67	70	68	71	69							
Long Valley	Maximum	86	81	78	....	92	91	87	80	75	84	90	92	86	87	82	85	87	89	91	92	82	87	88	87	78							
	Minimum	57	54	48	....	53	62	69	68	69	67	67	64	66	56	60	62	58	63	65	65	64	69	71	68	69							
Newton	Maximum	86	81	80	83	90	92	90	90	72	85	93	93	85	86	85	84	88	86	90	90	84	85	88	88	81							
	Minimum	56	54	57	56	65	68	68	68	67	66	64	68	66	62	60	60	59	67	68	64	64	66	68	70	67							
Phillipsburg	Maximum	87	81	83	85	94	93	90	82	75	87	92	96	88	91	86	86	89	92	95	92	88	87	93	88	80							
	Minimum	62	59	54	59	66	67	72	71	71	69	68	68	68	60	65	64	62	67	69	67	65	70	70	72	69							
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
The Red Sandstone Plain.																																	
Boonton§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....						
Canoe Brook§§	Maximum	86	82	77	86	93	93	89	84	80	85	93	94	90	91	82	85	88	95	94	93	89	87	92	91	82							
	Minimum	55	51	46	51	64	65	66	71	70	67	63	63	67	56	59	63	61	62	67	64	64	69	72	69	70							
Elizabeth	Maximum	77	76	73	82	92	92	93	89	81	78	82	97	95	84	88	83	86	89	91	95	84	86	86	83	83							
	Minimum	63	60	54	57	64	70	70	73	72	70	69	70	69	64	61	67	70	68	70	67	70	72	73	73	71							
Flemington	Maximum	89	82	87	85	97	94	89	84	78	90	96	95	88	94	86	88	92	93	96	95	86	88	93	94	88							
	Minimum	64	60	52	57	68	70	70	71	71	69	69	70	69	64	65	65	66	68	70	68	66	72	73	74	71							
Jersey City	Maximum	84	79	77	84	90	92	86	83	76	84	92	94	85	91	83	84	89	90	93	93	81	88	90	90	83							
	Minimum	66	65	62	64	69	71	71	71	71	70	72	70	68	68	70	68	70	71	70	67	70	71	74	74	71							
Lambertville	Maximum	82	83	81	83	92	92	89	83	77	84	90	86	82	80	82	84	88	89	91	91	88	87	90	88	78							
	Minimum	60	62	52	60	67	69	70	70	70	69	69	66	68	66	65	64	66	69	65	68	65	69	72	64	70							
Little Falls§§	Maximum	90	84	81	87	95	96	89	87	80	85	94	96	87	93	83	87	90	92	95	93	85	87	92	91	81							
	Minimum	61	57	51	55	69	71	69	72	70	69	67	68	68	60	63	65	66	66	72	66	69	71	73	72	72							
Newark	Maximum	84	80	77	84	90	90	84	83	76	83	91	96	85	91	81	84	85	90	93	91	80	84	90	90	81							
	Minimum	67	62	57	58	67	71	70	73	72	70	69	71	70	67	69	69	70	69	68	69	70	73	73	71	69							
New Brunswick	Maximum	83	80	73	84	90	93	90	85	78	81	91	93	90	89	82	83	88	89	92	90	80	86	89	89	85							
	Minimum	64	63	54	57	68	70	70	72	71	70	70	70	69	65	65	66	67	68	71	67	68	70	73	75	71							
Paterson	Maximum	84	79	78	83	89	90	86	84	77	80	88	91	89	88	81	82	85	87	91	90	81	85	89	87	78							
	Minimum	61	59	53	51	67	70	70	73	71	70	68	69	69	60	63	65	65	66	72	67	70	72	73	74	70							
Plainfield	Maximum	85	80	79	85	94	95	91	85	76	84	92	96	85	92	84	85	90	91	94	94	82	89	91	91	84							
	Minimum	64	59	51	59	68	70	71	72	70	70	69	70	69	63	67	66	69	69	70	68	69	70	73	74	71							
Ridgefield	Maximum	85	81	80	84	92	92	87	82	79	81	91	94	84	90	80	83	87	92	94	91	82	87	91	89	77							
	Minimum	64	61	55	60	69	71	72	73	71	70	70	71	69	64	67	66	71	70	71	67	68	71	73	73	72							
Somerville	Maximum	86	81	80	86	94	93	90	86	76	84	88	92	88	87	86	83	85	88	90	92	82	84	90	89	85							
	Minimum	62	58	50	57	68	68	72	72	72	70	70	69	70	62	66	66	68	68	70	67	68	68	74	73	72							
New York, N. Y.	Maximum	84	78	75	80	87	88	82	79	76	82	90	91	85	89	80	81	86	87	89	90	78	83	88	87	80							
	Minimum	67	65	63	64	69	71	71	71	71	70	72	68	68	69	71	68	71	71	70	67	70	71	74	74	71							
The Southern Interior.																																	
Belleplain	Maximum	87	77	77	84	89	90	90	86	87	86	92	93	88	89	83	81	89	89	92	93	91	91	94	92	90							
	Minimum	67	58	47	50	61	70	69	72	71	67	60	68	70	64	66	66	65	67	72	67	67	70	69	76	76							
Bridgeton	Maximum	90	80	82	84	90	89	88	85	86	87	92	95	85	90	84	86	87	88	91	95	89	89	93	90	88							
	Minimum	60	54	58	68	70	71	74	70	70	72	71	74	68	68	65	68	65	70	70	67	69	73	75	74	69							
Burlington	Maximum	90	85	83	87	95	94	91	91	82	88	95	99	95	95	90	88	90	93	96	98	95	93	94	90	84							
	Minimum	68	64	54	58	68	71	70	72	72	71	69	70	70	64	58	57	56	58	72	69	58	60	64	67	64							
Camden	Maximum	85	82	82	83	93	93	90	83	85	84	90	95	86	92	85	83	88	91	92	93	91	90	92	93	85							
	Minimum	65	62	56	62	70	73	72	72	72	72	72	73	72	68	69	68	68	70	71	70	69	71	74	72	71							
Freehold	Maximum	83	79	78	87	91	92	88	87	83	83	91	94	90	91	82	82	87	91	93	93	83	88	90	91	86							
	Minimum	66	60	51	56	67	72	71	71	71	70	69	73	68	64	67	65	72	66	71	66	65	71	72	75	72							
Hammonton	Maximum	89	89	80	81	90	90	89	88	87	86	95	94	86	91	82	81	89	91	93	94	90	90	93	92	89							
	Minimum	68	65	68	57	62	70	69	72	71	71	70	78	74	66	68	66	65	67	67	71	69	69	72	76	74							
Hightstown	Maximum	82	78	79	86	94	94	91	85	80	87	93	95	87	92	81	84	91	93	95	96	84	90	93	91	83							
	Minimum	63	59	50	57	67	70	70	72	72	69	69	69	68	65	68	65	66	67	71	66	66	69	73	74	71							
Indian Mills	Maximum	84	81	80	85	86	90	90	84	87	84	92	95	83	91	83	82	90	92	95	91	89	91	93	93	87							
	Minimum	65	53	46	50	63	68	67	70	70	70	65	68	69	60	64	64	63	63	70	65	65	67	70	74	71							
Lakewood	Maximum	80	77	77	87	89	91	89	86	81	84	89	95	90	87	83	83	88	89	96	91	83	88	92	90	84							
	Minimum	67	59	50	54	67	70	70	72	72	71	70	71	70	64	67	64	66	67	72	67	65	72	72	76	73	68	57	53	61	61	64	66.2
Maple Shade	Maximum	84	82	83	83	92	92	92	86	85	85	92	94	89	90	86	83	89	90	92	94	92	89	92	90	83	81	81	83	86	86	84	87.5
	Minimum	66	62	54	59	59	71	70	72	72	70	70	71	70	66	67	67	66	69	72	68	68	70	73	76	73	68	60	58	63	61	68	67.1
Moorestown	Maximum	83	80	86	82	90	90	90	84	85	84	90	93	84	89	83	82	88	88	90	92	90	88	92	89	83	81	80	81	85	85	84	86.2
	Minimum	64	58	54	59	68	72	72	73	73	71	70	73	71	67	68	67	66	70	69	69	69	71	74	76	69	62	60	58	66	63	69	67.5
Pemberton	Maximum	82	79	80	83	91	93	90	85	85	85	93	95	91	92	81	85	91	93	94	94	90	89	92	89	82	81	81	86	87	87	85	87.5
	Minimum	67	61	51	55	66	70	70	72	72	72	69	69	70	63	68	67	66	67	73	68	68	69	73	76	73	67	60	59	63	59	64	66.7
Pleasantville§§	Maximum	82	76	74	79	86	84	84	83	87	84	88	91	85	84	79	77	82	84	91	91	84	87	91	92	88	88	78	82	87	84	85	84.4
	Minimum	68	61	50	52	68	72	71	73	73	70	68	70	76	65	66	69	67	69	71	68	68	70	70	72	75	66	58	54	56	58	63	66.4
Runyon	Maximum	90	80	81	87	95	95	94	87	84	84	93	97	90	93	84	84	93	93	95	94	83	89	92	92	88	80	81	86	85	92	87	88.6
	Minimum	58	44	40	58	65	70	69	71	71	70	63	65	67	57	69	65	66	63	62	62	64	69	72	75	72	64	54	48	47	47	61	62.2
Trenton	Maximum	84	80	80	82	90	90	88	83	78	84	92	95	86	90	82	83	89	88	93	94	89	86	91	91	80	80	80	83	85	86	84	86.0
	Minimum	68	62	56	60	68	71	71	73	71	70	71	72	71	69	69	66	67	69	70	69	67	71	74	76	69	67	62	60	65	63	68	67.9
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Philadelphia, Pa	Maximum	85	80	81	79	88	89	88	81	83	83	93	93	87	90	84	82	88	88	91	95	90	88	90	88	83	81	82	80	88	87	84	86.1
	Minimum	70	66	63	63	71	74	72	71	71	73	74	77	73	72	69	67	69	71	71	71	72	73	75	74	72	70	67	65	69	66	71	70.4
The Sea Coast.																																	
Atlantic City	Maximum	76	74	72	77	81	80	81	80	87	81	84	89	86	82	79	75	81	80	80	85	81	81	80	90	79	75	76	76	86	84	81	80.6
	Minimum	68	68	66	67	71	72	73	73	73	72	74	76	75	72	72	69	68	71	70	68	70	71	69	69	70	67	66	62	68	64	71	69.8
Long Branch	Maximum	78	75	73	82	89	86	83	80	80	79	88	95	84	83	80	81	84	89	95	88	78	87	92	90	81	77	76	75	84	84	85	83.3
	Minimum	65	56	51	57	70	71	70	70	71	71	71	73	70	67	69	68	68	71	68	66	68	73	75	77	69	62	59	57	64	60	68	66.9
Sandy Hook	Maximum	78	76	72	81	84	87	80	79	76	80	86	93	83	84	78	81	80	85	91	86	76	86	88	87	79	77	76	74	81	85	83	81.7
	Minimum	66	65	63	64	71	72	71	70	71	71	72	71	71	71	71	70	69	71	70	69	70	73	74	76	70	70	67	66	67	65	70	69.6

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.248	.248	.256	.192	.232	.248	.208	.084	.008	*	.294	.266	.144	.256	.160	.144	.224	.320	.134	.288	.120	.156	.198	.188	.044	.176	.176	.200	.216	.248	.152	5.828
	Wind movement	13	33	10	28	21	16	26	46	65	10	3	8	16	7	11	20	9	16	25	8	11	24	11	10	14	4	13	16	21	19	9	543
Pleasantville**	Evaporation	.320	.304	.256	.240	.240	.320	.288	.262	.090	.304	.240	.240	.160	.208	.104	.160	.288	.288	.346	.316	.272	.320	.320	.288	*	.048	*	.304	.288	.320	.240	7.374
	Wind movement	41	60	63	46	58	78	75	109	111	49	32	42	66	31	41	66	40	52	72	50	89	52	80	69	42	36	34	92	81	57	58	1772
Runyon	Evaporation	.240	.245	.240	.180	.240	.180	.250	.240	.100	.100	.100	.240	.180	.180	.155	.130	.125	.170	.260	.380	.090	.244	.180	.190	.080	.120	.120	.180	.240	.220	.180	5.779
	Wind movement	14	22	19	32	13	22	41	35	48	9	6	17	19	11	5	20	10	17	32	16	18	18	19	11	11	41	18	14	18	12	24	612

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

Vol. XL. August, 1935. No. 8.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The temperature averaged slightly above the normal for the month, while the rainfall was decidedly less than normal. Daily average temperatures were below the normals during the periods from the 6-11th, 24-25th, and 29th-31st, and above them during the remaining portions of the month. The highest temperatures were recorded on the 1st and 13th and were up in the nineties, while the lowest were in the forties and occurred generally on the 25th, 29th and 31st.

Showers were fairly frequent during the month but were mostly light so that the amount for the State was only a little more than half the normal and was the lowest for the month of August during the past ten years. The various subdivisions experienced the following percentages of their normal amounts: The Highlands, 44%; Red Sandstone Plain, 42%; Southern Interior, 69%; Sea Coast, 48%; State, 54%. Light to moderate rains were general on the 11th and 30th, but the other rains that occurred were rather local and of light amounts as a rule.

There were no reports of material damage by wind or hail, and only a few scattered cases of damage or loss of life (one case) by lightning.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 72.4°, which was 0.6° above normal. The highest temperature was 98° at Burlington on the 13th, and the lowest, 36°, at Runyon on the 25th. The greatest daily range of temperature was 50° at Charlotteburg on the 29th. The highest monthly mean temperature was 74.6° at Camden and Jersey City, and the lowest, 69.2° at Layton.

The temperature departure from the normal for the year. 1935, to date, by sections, is: The Highlands, +0.8°; Red Sandstone Plain, +0.1°; Southern Interior, —0.1°; Sea Coast, +0.8°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 2.57 inches, which was 2.18 inches below normal. The greatest monthly precipitation was 6.34 inches at Indian Mills, and the least, 0.11 inch at Culvers Lake. The greatest amount of precipitation in any 24 consecutive hours was 3.14 inches at Trenton No. 2 on the 15th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 8, or 2 less than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —3.72 inches; Red Sandstone Plain, —8.82 inches; Southern Interior, —3.85 inches; Sea Coast, —8.22 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 10 miles per hour, which was 1 mile above normal. The highest velocity, sustained for 5 consecutive minutes, was 41 miles per hour from the northwest at Atlantic City on the 14th.

MISCELLANEOUS.

The per cent of possible sunshine was 64, or 2 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.02 inches, which was 0.02 inch above normal. The highest reading was 30.30 inches at three stations on the 18th, and the lowest 29.62 inches at Ridgefield on the 1st.

The mean stage of the Delaware River at Phillipsburg was 1.6 feet, and the highest 2.9 feet on the 3d. At Trenton the mean stage was 0.9 foot, and the highest 1.8 feet on the 4th.

Dense fog occurred on the following dates: 1, 12, 14, 16, 17, 19, 22 and 31. Thunderstorms were noted on the following dates: 1, 2, 3, 4, 5, 13, 14, 15, 16, 22 and 23. Light hail fell at Maple Shade on the 1st, at Moorestown on the 1st and 14th and at Trenton on the 15th.

COMPARATIVE DATA FOR AUGUST

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	−0.1	95	40	6.11	+1.36	10.09	3.47	0	....	....	....	....
1886	69.5	−2.3	96	42	2.81	−1.94	5.36	1.10	0	....	....	....	....
1887	70.4	−1.4	94	42	3.76	−0.99	7.34	2.09	0	....	....	....	....
1888	72.5	+0.7	98	41	6.13	+1.38	10.53	2.55	0	....	....	....	....
1889	69.6	−2.2	91	45	5.13	+0.38	9.06	1.93	0	....	....	....	...
1890	71.5	−0.3	99	40	4.90	+0.15	7.51	2.89	0	11	8	15	8
1891	72.8	+1.0	100	46	5.32	+0.57	8.89	2.58	0	13	8	11	12
1892	73.4	+1.6	99	46	3.63	−1.12	5.65	0.72	0	9	12	13	6
1893	72.8	+1.0	98	38	6.52	+1.77	11.94	3.55	0	8	14	11	6
1894	70.9	−0.9	97	44	2.58	−2.17	9.28	0.15	0	7	13	12	6
1895	74.2	+2.4	102	34	2.53	−2.22	5.06	**0.02**	0	7	16	12	3
1896	73.6	+1.8	105	39	1.83	−2.92	**3.27**	0.50	0	7	17	10	4
1897	71.0	−0.8	91	41	4.39	−0.36	8.69	2.07	0	9	14	12	5
1898	74.8	+3.0	98	42	5.36	+0.61	9.28	2.70	0	10	12	12	7
1899	72.3	+0.5	99	39	4.36	−0.39	9.70	2.16	0	9	10	12	9
1900	**76.3**	+4.5	104	41	2.68	−2.07	4.56	0.70	0	10	15	11	5
1901	73.8	+2.0	98	44	9.43	+4.68	15.80	4.88	0	11	12	10	9
1902	70.1	−1.7	93	40	3.91	−0.84	10.67	1.31	0	9	15	13	3
1903	68.4	−3.4	98	39	6.95	+2.20	14.54	4.30	0	13	10	10	11
1904	70.8	−1.0	92	37	6.62	+1.87	13.01	2.65	0	9	15	10	6
1905	71.1	−0.7	95	38	5.72	+0.97	9.88	3.51	0	12	13	10	8
1906	74.6	+2.8	97	42	5.95	+1.20	**17.91**	2.21	0	13	10	11	10
1907	70.5	−1.3	96	39	3.45	−1.30	7.61	1.79	0	10	14	12	5
1908	70.6	−1.2	103	36	5.05	+0.30	9.23	2.43	0	10	11	10	10
1909	70.2	−1.6	100	34	4.59	−0.16	12.94	1.41	0	6	14	9	8
1910	70.4	−1.4	92	36	3.78	−0.97	8.46	1.76	0	10	9	10	12
1911	72.1	+0.3	101	39	8.91	+4.16	14.74	5.31	0	11	10	11	10
1912	70.0	−1.8	95	35	3.42	−1.33	7.62	1.19	0	10	12	13	6
1913	71.7	−0.1	100	38	4.06	−0.69	10.21	1.93	0	10	18	9	4
1914	73.3	+1.5	98	46	3.15	−1.60	6.53	1.04	0	9	13	12	6
1915	70.9	−0.9	98	41	7.73	+2.98	10.92	4.02	0	13	11	11	9
1916	73.2	+1.4	100	40	**1.34**	−3.41	4.15	0.27	0	6	20	7	4
1917	74.0	+2.2	103	42	2.21	−2.54	5.68	0.86	0	8	18	9	4
1918	74.4	+2.6	**108**	40	1.85	−2.90	4.25	0.34	0	7	18	7	6
1919	69.9	−1.9	98	38	6.89	+2.14	12.88	3.09	0	13	13	10	8
1920	72.3	+0.5	94	42	6.10	+1.35	10.60	2.94	0	17	8	11	12
1921	69.8	−2.0	97	38	4.32	−0.43	8.01	2.05	0	9	18	7	6
1922	71 2	−0.6	96	39	4.03	−0.72	6.78	2.18	0	12	13	9	9
1923	70.8	−1.0	98	35	2.44	−2.31	4.81	1.23	0	8	17	8	6
1924	71.9	+0.1	102	38	4.40	−0.35	9.48	1.82	0	8	18	8	5
1925	71.0	−0.8	93	35	2.10	−2.65	4.12	0.94	0	7	20	6	5
1926	72.8	+1.0	101	38	6.58	+1.83	8.84	3.74	0	14	11	9	11
1927	**67.1**	−4.7	89	37	8.55	+3.80	12.87	2.88	0	12	11	9	11
1928	74.5	+2.7	99	45	6.72	+1.97	14.26	3.33	0	13	12	8	11
1929	69.8	−2.0	97	39	2.58	−2.17	4.86	0.88	0	9	16	8	9
1930	71.1	−0.7	101	34	3.32	−1.43	5.58	1.92	0	6	16	9	6
1931	73.5	+1.7	101	45	5.10	+0.35	9.61	2.26	0	12	12	8	11
1932	73.5	+1.7	99	44	2.75	−2.00	7.49	1.00	0	7	20	7	4
1933	72.7	+0.9	101	45	**10.53**	+5.78	15.15	**6.45**	0	14	12	9	10
1934	69.8	−2.0	100	**33**	3.61	−1.14	9.11	1.40	0	10	14	8	9
1935	72.4	+0.6	98	36	2.57	−2.18	6.34	0.11	0	8	14	10	7
Period	71.8	....	108	33	4.75	....	17.91	0.02	0	10	13	11	7

Climatological Data for August, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, '01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	73.2^{c}	+2.4	95	1	49	31	32	2.78	−1.79	0.85	0	9	15	6	10	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	71.0	+3.5	94	14	40	29	50	1.88	−2.62	0.63	0	9	25	0	6	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	50	22†	....	0.11	−4.54	0.06	0	3	20	7	4	s.	Brice E. Riker.
Dover	Morris	600	51	70.0	+0.9	88	1†	46	29	28	2.55	−1.95	0.52	0	9	3	11	17	......	William C. Harris
Layton	Sussex	480	34	69.2	+1.0	90	13†	40	25†	38	1.48	−2.61	0.86	0	6	10	5	16	sw.	A. M. Depue.
Long Valley	Morris	520	5	69.5	......	91	13	42	29	33	1.58	......	0.70	0	7	18	10	3	nw.	S. N .Dilts.
Newton	Sussex	769	52	70.8	+0.5	93	17	46	25†	39	2.67	−1.68	0.84	0	12	5	9	17	se.	Irving J. Kern.
Phillipsburg	Warren	363	§52	72.5	+0.8	95	1	47	29	35	2.60	−1.80	1.10	0	8	15	8	8	......	Town Engineer.
Sussex	Sussex	442	40	72.4^{d}	+2.8	96	17	46	29	38	1.66	−2.34	0.55	0	6	17	7	7	......	A. J. W. Mowatt
Means and extremes	......	......	....	71.1	+1.7	96	17	40	25†	50	1.92	−2.42	1.10	0	8	14	7	10	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	71.1	+1.0	92	4	47	31	37	1.57	−3.12	0.54	......	7	12	3	16	ne.	John Kline.
Canoe Brook	Essex	173	5	69.7	......	92	1	37	25	41	1.71	......	0.66	......	8	13	12	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	1.80	−2.85	0.69	0	8	16	11	4	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	72.0	−1.2	95	2†	49	25†	33	1.72	−2.61	0.55	0	6	21	6	4	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	74.0	+1.7	94	1†	48	29	32	2.24	−2.28	0.72	0	11	22	5	4	nw.	Hiram E. Deats.
Jersey City	Hudson	10	37	74.6	+1.0	92	1†	55	31	23	1.47	−2.86	0.71	0	6	10	15	6	n.	S. K. Pearson.
Lambertville	Hunterdon	430	48	71.8	−0.2	93	13	49	25	35	1.51	−2.29	0.52	0	12	11	14	6	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	72.6	+1.4	94	13	47	29	35	1.78	−3.18	0.80	0	9	15	12	4	nw.	Passaic Valley Water Co
Newark	Essex	30	....	73.0	+0.3	92	1	53	25	26	2.15	−2.72	0.70	0	7	12	15	4	n.	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	73.0	+1.0	92	1†	50	25†	31	1.35	−4.05	0.48	0	7	17	9	5	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	1.84	−2.71	0.58	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	71.5	−0.7	90	13	49	31	30	1.40	−3.23	0.63	0	6	18	5	8	w.	William H. Meyer.
Plainfield	Union	120	47	73.0	+1.6	94	1	48	25†	34	3.58	−1.52	1.00	0	11	12	11	8	n.	S. K .Pearson.
Ridgefield	Bergen	80	18	72.7	+2.0	91	1†	50	25	28	1.62	−3.29	0.72	0	8	14	13	4	se.	George P. Kirsten.
Somerville	Somerset	70	52	72.1	−0.1	92	1	48	29	32	3.35	−1.57	1.24	0	9	12	11	8	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	1.75	−2.47	0.58	0	7	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	314	65	73.6	+0.5	90	2	55	31	20	1.43	−2.90	0.65	0	7	8	13	10	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	72.4	+0.6	95	2†	37	25	41	1.93	−2.72	1.24	0	8	15	10	6	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	73.2	+1.1	95	14	44	31	38	1.76	−2.84	0.52	0	5	15	12	4	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Bennett K. Matlack
Burlington	Burlington	12	§49	74.1	−0.3	98	13	44	29	37	3.56	−2.22	1.98	0	10	13	10	8	n.	Public Service G. & E. Co.
Camden	Camden	20	3	74.6	......	95	13	54	31	26	3.26	......	1.75	0	10	6	16	9	sw	Central Airport, Inc.
Freehold	Monmouth	194	¶31	72.8	......	95	1	47	25	31	3.34	−1.25	0.93	0	7	19	7	5	sw.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	......	......	95	1†	......	......	....	5.49	+0.61	1.67	0	9	21	5	5	se.	Geo. W. Lobley.
Hightstown	Mercer	110	42	72.6	+0.7	95	13	47	25	32	1.56	−3.46	0.66	0	10	10	14	7	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	72.4	0.0	97	14	46	25†	36	6.34	+0.81	2.10	0	9	8	18	5	e.	James M. Armstrong.
Lakewood	Ocean	54	31	72.0	+1.1	95	1	49	31	31	3.67	−1.52	1.75	0	9	14	10	7	sw.	R. W. Holman.
Maple Shade	Burlington	65	....	73.8	......	96	13	51	25	28	5.38	......	1.70	0	11	8	9	14	n.	Richard J. Smith.
Moorestown	Burlington	62	72	73.3	+0.8	94	13	52	25†	27	5.41	+0.04	1.70	0	12	10	16	5	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	2.82	−1.70	0.87	0	8	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	74.2	......	97	13	50	25†	35	2.06	......	0.66	0	8	21	2	8	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	72.5	......	94	2	47	10	32	4.96	+0.30	2.93	0	12	19	5	7	e.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	12	71.2	......	96	13	36	25	47	1.40	−3.92	0.45	......	6	20	11	0	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	73.4	+0.4	93	1	54	25	26	3.09	−1.66	1.39	0	11	8	13	10	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	4.88	......	3.14	0	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	72.8	+0.8	90	2	47	10	30	1.61	−3.69	0.31	0	10	17	8	6	e.	John H. Brown.
Philadelphia, Pa	......	114	64	75.3	+0.5	93	13	56	25	22	3.34	−1.28	1.58	0	10	7	10	14	e.	U. S. Weather Bureau.
Means and extremes	......	......	....	73.1	+0.6	98	13	36	25	47	3.56	−1.58	3.14	0	9	14	10	7	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	74.0	+1.5	91	2	56	25	22	2.31	−2.18	0.86	0	7	7	10	14	e.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	72.2	+1.4	94	1	50	25	28	2.23	−3.25	1.03	0	7	7	16	8	se.	William D. Martin.
Sandy Hook	Monmouth	22	37	73.6	+1.1	90	1	58	31	19	2.63	−2.35	1.37	0	7	11	9	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	73.3	+1.3	94	1	50	25	28	2.39	−2.59	1.37	0	7	8	12	11	se.	
For the State	......	......	....	72.4	+0.6	98	13	36	25	50	2.57	−2.18	3.14	0	8	14	10	7	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for August, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.80		.28		.08		.15				.85									.05	.05	T.					.12			.40		2.78
Charlotteburg	Passaic			.12				.05				.39	.03		.21								.63					.20			.23	.02	1.88
Culvers Lake	Delaware				.06									.02													T.	T.				.03	0.11
Dover	Passaic	.01	.14	.48				.01				.52		.52								.45						.15			.27		2.55
Layton	Delaware			T.				.12						.86	.35								.06					.02			.07		1.48
Long Valley	Morris	.15	.70					.02				.22									.06		T.					.23			.20		1.58
Newton	Delaware	.01	.07	.75				.03				.84	.02	.29								.09	.17					.10	.01		.29		2.67
Phillipsburg	...do	T	1.10	.08	05	T.		.28				.54					T				.04	.25	T					T.			.26		2.60
Sussex	Hudson											.55			.41							.21	.23					.05			.21		1.66
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic		T.	.22	T.							.32			.54								.27						.05		.02	.15	1.57
Canoe Brook‖‖	Essex			.29					.01			.47				.66								.02					.04		.04	.18	1.71
Chatham‖	...do			.26				T.				.45			.08	.69						T	T.	.05					.06		.04	.17	1.80
Elizabeth	Coast		T.	.35	T.			T.				.55	T			.36							.10					.01	T.		.35		1.72
Flemington	Raritan	.30	.06		.10	.41		.07				.72		.01						T.	T.	.05	.28					.03			.21		2.24
Jersey City	Coast	.01		.06				T.				.71		T.	.27								.34					T.	T.		.08		1.47
Lambertville	Delaware	.52	.11	.05	.34			.04				.16				.03					.01	.01	T	.02				.03			.19		1.51
Little Falls.‖‖	Passaic			.11				.02				.26			.80	.18							.13						.09		.03	.16	1.78
Newark***	Coast	.01	.12	T.				T.				.45		T.	.63							T.	.70					.01			.23		2.15
New Brunswick	Raritan	T	.17	.24	.04			.01				.48				T.					T.		T					.10			.31		1.35
New Milford‖‖	Hackensack			.06				.02				.37			.20							.13	.12	.58					.08		.03	.25	1.84
Paterson	Passaic	T.		.06				T.				.30		.63									.15					.11			.15		1.40
Plainfield	Raritan	.10	.77	.40	.01			.04				.67			1.00		T.				T.	.26	.05					.01	T.		.27		3.58
Ridgefield**	Hackensack	T.	.03	.12				T				.43		.39	.33							.02	T.					.02			.28		1.62
Somerville	Raritan	.48	.22	1.24		.09		.03				.61								T.	T.	.48	.03					T			.17		3.35
Woodcliff Lake‖‖	Hackensack		.53		.06							.27			.09									.58					.08			.14	1.75
New York, N. Y***	Coast	.01	.05	.01				T				.65		T.	.29								.34					T.	T.		.08		1.43
The Southern Interior.																																	
Belleplain	Tuckahoe		.52	T.				.59				.07			T.	T.													.35		.23		1.76
Bridgeton	Delaware																																
Burlington	Delaware		.45	.09	.43			.11	T.			.07			.09	1.98				.07	.13	T.									.14		3.56
Camden**	..do	1.75	.44	T.				.16				.04			.05	.15	.21			T.	.03		.36								.07		3.26
Freehold	Raritan		.48	.93	.78	.19						.05				T.					T.		.76								.15		3.34
Hammonton	Mullica	.90					.20	.58				.11			.64	.13	1.19						1.67								.07		5.49
Hightstown	Raritan	.49		.01	.66	.07		T				.17			T.	.02	T.	.01				T.	.02					.01			.10		1.56
Indian Mills	Mullica		.95		.21	.22		.24							.15	1.62	.50						T.	2.10					.35				6.34
Lakewood	Metedeconk		.22	.03	.45	.08						.10			1.75								T	.75				T.	.02		.27		3.67
Maple Shade	Delaware		.86	.23		.05		.16	T.			.09			.34	.15	.29			T.	T.	T.	1.70	1.39				T			.12		5.38
Moorestown‖‖	...do	.70	.11		.02		.08	.05				.70			1.60	.11	.23			T.	T.		1.70							.09	.02		5.41
Northfield	Coast		.20					.72				.11			.87	.01	.09												.41		.41		2.82
Pemberton	Delaware		.40					.09				.10			.29	.33	.01			T.	T.			.66				T.			.18		2.06
Pleasantville‖‖	Coast		.06					.40	.22			.08	.03			2.93	.14				T.			.12					.01	.42	.33	.22	4.96
Runyon	Coast		.26	.41	.04	.12						.45																			.12		1.40
Trenton***	Delaware	.59	.01	.01	.45	.03		.05				.03			T.	1.39		T.		T.	.01	T	.35					T			.17		3.09
Trenton No. 2‖‖	...do	T.	.34	.01	.66	.26		T.	.04			.06					3.14					.02	.05	.07					T.		.05	.18	4.88
Tuckerton	Coast		.08	.02	.04				.14				.11			.28	.31						.19						.18		.26		1.61
Phila., Pa***	Delaware	1.15	.52	T.			T.	.15	T.			.03			.02	.78	.47			.02	.04	T.	T.					T.			.16		3.34
The Sea Coast.																																	
Atlantic City***	Coast	.01	T.		T.			.45				.06			.86	.10				T.	T.							T.	.23	T.	.60		2.31
Long Branch**	...do	.11	.92	T.	.24	.09		T.				.15		T.	T.						T.		.49					T	T.		.23		2.23
Sandy Hook***	...do	T.	1.37	T.	T.	T.		T.				.29		T.	.26						.09	.19	.34					T.			.09		2.63

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.02	30.27	18	29.71	1	13.4	41	nw.	14	80	69	76	60
Long Branch	30.02	30.30	18	29.63	1	8.7	30	nw.	24	76	65	81	63
New York, N. Y	30.01	30.29	18	29.62	1	10.5	40	n.	13	77	59	70	67
Philadelphia, Pa	30.03	30.29	18	29.67	1	10.0	34	n.	1	75	55	66	60
Ridgefield	30.01	30.20	18	29.62	1								
Sandy Hook	30.01	30.30	18	29.64	1	10.6	29	n.	24	78	66	76	70
Trenton	30.02	30.30	18	29.63	1	7.5	30	s.	15	77	57	68	62

Daily Temperatures for August, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	95	91	83	91	85	82	70	82	88	82	82	92	94	....	....	....	92	88	85	82	89	80	81	80	82	88	76	86	77	69	78	83.9^c
	Minimum	68	69	66	69	65	60	62	62	62	60	61	60	68	68	....	..	....	62	65	66	69	70	61	53	56	61	65	64	50	56	49	62.4^c
Charlotteburg	Maximum	84	91	91	88	93	78	82	78	84	86	80	89	92	94	92	92	92	90	87	86	88	87	84	81	79	84	86	83	90	73	74	85.7
	Minimum	61	54	60	63	61	50	52	68	49	47	68	59	61	60	63	64	56	51	53	63	65	67	59	66	45	52	57	63	40	51	49	56.4
Dover	Maximum	88	86	78	87	81	75	67	76	81	80	78	86	88	85	83	84	86	81	80	79	83	81	77	73	75	83	71	80	72	62	71	79.2
	Minimum	60	69	63	67	65	59	59	61	57	53	60	64	67	66	67	65	64	59	62	67	68	70	60	54	48	57	62	60	46	54	50	60.7
Layton	Maximum	88	85	81	88	80	78	69	78	85	81	81	87	90	82	85	87	90	85	85	80	85	84	79	74	78	86	74	82	73	65	73	81.2
	Minimum	65	61	62	62	62	55	60	58	62	52	60	62	67	47	59	66	61	68	57	65	64	66	57	45	40	54	55	65	40	52	44	57.2
Long Valley	Maximum	90	85	88	87	80	77	69	78	80	83	82	86	91	87	87	84	83	82	82	80	85	82	78	74	71	83	72	80	72	66	73	80.5
	Minimum	57	66	60	65	63	56	59	58	63	62	51	62	61	64	65	65	61	54	60	64	66	67	56	51	45	53	58	62	42	50	48	58.5
Newton	Maximum	91	86	82	86	79	78	68	78	92	83	78	87	91	84	87	87	93	87	85	82	82	82	81	76	79	86	76	82	74	65	75	82.0
	Minimum	63	65	59	64	65	59	58	58	53	55	58	62	66	65	62	68	61	58	62	65	65	66	57	51	46	66	64	64	46	54	49	59.6
Phillipsburg	Maximum	95	91	81	88	86	80	72	79	86	83	81	89	92	88	87	87	90	86	83	80	87	81	82	79	80	87	74	85	74	65	72	82.9
	Minimum	60	70	64	68	68	59	63	62	57	59	63	63	66	69	67	68	67	61	65	67	70	70	62	55	49	58	65	59	47	55	48	62.1
Sussex	Maximum	....	....	89	91	85	81	74	86	90	91	84	91	95	86	89	....	96	91	85	85	83	82	85	83	79	88	88	....	84	73	74	85.5^d
	Minimum	....	....	56	65	63	57	60	62	55	56	58	62	67	67	64	....	62	59	61	68	65	69	60	51	47	57	61	....	46	56	51	59.4^d
The Red Sandstone Plain.																																	
Boonton§§	Maximum	89	88	80	92	82	80	71	79	89	86	81	86	89	88	89	86	89	84	88	79	86	85	79	76	78	82	72	81	74	65	74	82.2
	Minimum	62	65	63	64	64	57	60	60	52	51	59	60	64	66	67	67	62	61	60	64	64	71	63	56	51	55	59	65	48	53	47	60.0
Canoe Brook§§	Maximum	92	89	82	88	82	79	73	78	85	83	80	88	82	90	89	86	89	84	84	82	86	86	81	77	78	86	73	83	76	64	75	82.3
	Minimum	57	64	62	63	60	52	59	57	60	47	60	60	62	63	65	65	62	57	60	62	63	69	62	46	37	52	57	66	39	52	41	57.1
Elizabeth	Maximum	81	95	85	89	90	79	71	73	76	78	80	82	85	85	80	95	82	78	76	80	85	83	80	76	76	84	86	79	82	70	72	81.1
	Minimum	64	71	65	68	68	69	64	65	57	55	62	63	66	69	68	71	66	61	65	67	69	71	65	57	49	58	65	68	49	59	50	63.0
Flemington	Maximum	94	90	82	92	84	80	75	79	89	85	86	90	94	89	87	88	94	88	83	80	90	85	80	78	83	88	81	88	80	72	79	84.9
	Minimum	63	71	64	69	67	60	64	63	57	58	63	65	66	69	69	69	67	62	65	67	70	70	64	56	52	58	65	64	48	57	50	63.0
Jersey City	Maximum	92	91	82	90	83	80	70	78	84	82	80	85	92	91	90	87	88	85	84	81	86	85	81	78	81	87	75	84	77	66	77	83.0
	Minimum	72	71	65	71	68	64	64	65	61	64	63	66	70	71	73	71	69	68	71	71	72	71	63	58	66	62	70	65	60	60	55	66.1
Lambertville	Maximum	91	88	80	86	84	80	71	81	83	82	82	89	93	90	87	86	87	85	84	79	88	86	78	76	79	85	75	83	75	70	74	82.5
	Minimum	66	70	74	69	62	60	62	62	57	68	58	58	58	59	68	67	68	62	67	65	68	70	62	55	49	57	56	56	50	53	60	61.2
Little Falls§§	Maximum	93	92	85	92	85	81	74	83	88	86	83	89	94	90	90	87	92	87	88	84	87	87	81	80	81	87	74	85	76	65	78	84.6
	Minimum	62	68	63	65	67	58	59	62	54	53	51	64	65	66	67	67	62	59	60	64	65	71	63	56	49	52	62	68	47	56	50	60.5
Newark	Maximum	92	87	81	89	84	77	72	76	83	81	81	82	90	88	87	87	86	84	85	83	85	83	77	76	79	85	75	83	77	66	76	81.8
	Minimum	66	71	64	69	69	64	63	64	60	58	62	65	67	69	70	70	65	63	63	68	71	72	64	58	53	60	68	68	54	66	54	64.1
New Brunswick	Maximum	92	88	80	86	85	82	72	75	82	83	80	85	92	91	86	85	89	84	81	79	87	86	81	78	79	85	82	82	81	72	74	82.7
	Minimum	64	72	64	69	68	61	63	63	57	56	63	65	67	68	70	71	67	62	65	67	68	70	64	57	50	57	68	68	50	59	52	63.4
Paterson	Maximum	88	86	79	86	82	77	73	77	84	83	82	85	90	86	86	87	88	85	84	83	86	84	78	74	77	84	73	81	75	66	72	81.3
	Minimum	64	69	69	67	65	60	59	60	54	54	56	62	65	67	68	68	61	58	62	65	66	72	63	57	52	59	65	66	53	57	49	61.7
Plainfield	Maximum	94	91	80	89	84	80	70	79	85	86	80	89	93	91	90	88	89	86	85	82	87	86	83	80	82	88	76	85	78	65	79	83.6
	Minimum	64	71	65	69	68	59	63	63	66	65	62	67	67	69	67	70	68	60	65	66	68	70	61	67	48	57	64	65	48	58	49	62.5
Ridgefield	Maximum	91	89	82	88	82	77	73	80	84	82	78	86	91	87	87	87	89	86	84	82	86	85	80	76	79	87	74	84	76	62	77	82.3
	Minimum	66	70	64	69	67	60	62	61	56	58	63	65	69	68	68	70	64	63	63	67	69	73	63	56	50	61	69	61	52	58	52	63.1
Somerville	Maximum	92	86	80	85	83	78	74	76	81	82	79	86	90	89	85	86	84	83	80	87	84	80	78	76	77	85	80	81	80	69	74	81.6
	Minimum	62	70	64	69	66	59	63	63	57	65	63	64	67	70	70	68	60	63	65	69	72	66	68	56	50	67	64	66	48	58	50	62.6
New York, N. Y.	Maximum	89	90	81	90	81	77	70	76	82	78	78	82	87	89	88	85	86	82	83	80	82	83	76	74	77	81	75	80	74	68	76	80.6
	Minimum	73	71	65	71	68	65	64	66	62	65	63	66	70	72	73	72	69	69	71	72	72	72	63	58	57	62	70	65	60	60	55	66.5
The Southern Interior.																																	
Belleplain	Maximum	92	91	89	90	85	82	74	77	83	82	83	89	93	95	94	89	84	85	83	79	89	90	84	78	79	85	83	78	78	72	76	84.2
	Minimum	67	70	72	68	69	58	63	63	54	49	61	58	78	71	68	70	64	62	64	65	71	65	66	54	45	47	69	69	51	57	44	62.3
Bridgeton	Maximum	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Burlington	Maximum	94	91	88	90	84	83	76	80	85	85	84	94	98	94	91	87	88	86	87	81	87	88	80	78	79	85	80	84	80	71	76	85.0
	Minimum	64	72	69	71	68	64	65	63	58	55	64	63	67	71	69	70	69	65	67	68	70	71	67	57	54	48	58	57	44	60	52	63.2
Camden	Maximum	93	90	83	88	84	82	70	79	85	84	82	90	95	94	88	87	86	85	84	80	87	90	79	76	80	84	81	84	79	67	76	83.6
	Minimum	68	70	71	72	73	67	60	63	60	60	66	64	70	72	70	70	69	64	67	68	73	73	66	61	56	59	68	67	58	55	54	65.6
Freehold	Maximum	95	89	89	87	83	82	72	76	83	83	81	87	94	91	87	87	87	85	83	81	87	87	83	82	77	78	78	80	78	71	74	83.1
	Minimum	64	71	66	68	68	59	63	60	55	56	60	65	66	69	68	71	63	62	59	64	68	75	65	67	47	69	56	68	49	67	51	62.5
Hammonton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hightstown	Maximum	93	90	84	88	82	77	69	74	84	85	82	91	95	92	86	86	86	84	83	80	87	90	82	78	79	86	76	83	79	66	76	83.0
	Minimum	63	71	66	69	67	69	64	61	54	54	63	63	67	68	69	69	66	59	62	63	66	70	65	53	47	56	67	68	48	68	61	62.1
Indian Mills	Maximum	96	92	85	88	83	82	80	79	84	84	81	90	96	97	89	86	86	85	84	79	88	88	78	76	77	86	80	80	80	70	74	83.9
	Minimum	63	67	70	66	67	58	62	59	52	48	67	59	65	68	65	67	62	57	63	63	68	66	64	64	46	52	64	67	48	55	46	60.9
Lakewood	Maximum	95	91	88	86	84	80	71	75	80	81	79	84	92	88	83	84	83	83	81	81	84	84	81	75	77	83	82	79	78	70	73	81.8
	Minimum	64	73	69	69	70	60	63	58	53	52	60	62	66	67	67	71	63	60	62	64	65	67	66	54	52	57	67	70	51	57	49	62.2
Maple Shade	Maximum	93	90	85	88	84	80	75	78	85	85	81	91	96	92	87	86	86	85	83	79	90	88	80	77	78	84	79	83	76	67	74	83.4
	Minimum	67	71	70	70	71	62	64	62	57	57	64	64	68	71	69	70	69	64	66	67	70	71	66	58	51	56	66	68	52	58	53	64.3
Moorestown	Maximum	93	89	84	86	82	79	70	77	84	83	82	89	94	93	87	86	85	84	84	79	87	87	78	75	77	83	77	82	76	66	73	82.3
	Minimum	66	70	72	71	72	63	65	59	57	57	65	65	70	70	69	69	65	64	67	68	71	72	67	59	52	56	69	60	53	59	62	64.3
Pemberton	Maximum	95	93	87	89	87	83	75	80	87	87	82	93	97	96	88	88	88	85	83	79	90	88	83	77	80	86	81	83	81	73	77	85.2
	Minimum	62	73	71	70	69	60	64	61	55	52	64	61	67	71	68	70	67	63	67	66	69	71	67	58	50	55	67	67	51	67	50	63.3
Pleasantville§§	Maximum	91	94	82	86	85	78	75	77	79	78	79	84	84	91	85	85	82	81	82	80	85	85	77	78	78	83	81	78	76	68	78	81.5
	Minimum	67	72	72	69	71	61	67	66	55	47	66	60	69	68	68	71	63	63	72	69	69	66	68	55	50	51	66	70	52	68	48	63.5
Runyon	Maximum	95	92	83	92	89	82	81	82	82	84	84	87	96	90	88	88	89	86	84	87	88	86	85	84	83	88	87	83	82	80	80	86.0
	Minimum	67	71	65	71	65	58	56	54	48	45	60	59	62	68	72	69	61	56	54	60	60	52	50	46	36	60	65	46	37	42	42	56.4
Trenton	Maximum	93	89	81	87	82	78	69	75	83	82	81	89	93	92	88	86	87	84	83	80	88	85	79	75	77	85	77	83	76	65	73	82.1
	Minimum	68	72	66	70	69	64	64	63	60	60	65	63	69	71	68	70	68	65	65	67	69	72	65	59	54	60	68	62	55	58	65	64 6
Tuckerton	Maximum	86	90	82	85	85	80	73	72	74	72	75	84	84	89	88	80	81	80	80	81	84	85	80	77	78	84	79	75	80	70	80	80.4
	Minimum	73	75	70	68	70	68	67	60	55	47	61	60	69	70	73	70	70	63	71	73	72	66	70	60	56	56	72	70	58	58	50	65.2
Philadelphia, Pa.	Maximum	91	90	86	88	84	79	70	78	84	83	83	89	93	92	89	87	87	83	84	78	85	87	82	79	78	83	78	83	77	68	74	83.0
	Minimum	73	73	72	74	72	67	65	66	66	66	66	69	71	73	71	71	71	68	70	71	71	73	68	61	56	61	69	66	59	61	57	67.6
The Sea Coast.																																	
Atlantic City	Maximum	86	91	82	82	86	75	74	75	78	78	77	80	81	86	82	83	80	80	80	81	83	83	77	77	78	80	78	77	74	70	72	79.5
	Minimum	74	76	73	74	71	65	67	65	62	64	69	68	73	68	75	75	74	74	75	75	75	75	67	60	56	65	72	64	59	60	57	68.6
Long Branch	Maximum	94	89	77	83	82	74	71	74	79	78	75	79	85	86	81	81	82	81	82	80	83	85	79	76	78	86	77	82	78	64	74	79.8
	Minimum	70	73	69	70	67	64	68	59	57	58	66	68	70	71	72	68	64	65	65	68	72	71	70	57	50	60	69	62	54	54	52	64.6
Sandy Hook	Maximum	90	88	78	85	82	75	71	73	80	76	76	75	86	85	83	80	81	79	81	80	81	85	78	75	78	83	76	81	76	68	74	79.3
	Minimum	71	70	69	71	70	67	65	66	65	64	66	68	70	71	72	71	70	70	71	72	73	73	69	64	60	64	72	67	63	61	58	67.8

^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.192	.146	.112	.248	.272	.128	.050	.176	.176	.222	.064	.160	.136	.204	.168	.200	.208	.192	.152	.080	.176	.108	.224	.192	.208	.192	.008	.152	.104	.012	.136	4.79
	Wind movement	18	15	6	6	11	25	8	17	18	14	30	5	23	12	6	10	16	12	14	12	7	27	8	9	11	13	17	12	9	7	2	40
Pleasantville**	Evaporation	.236	.272	.176	.144	.464	.208	.028	.288	.288	.272	*	.206	.240	.594	.108	.224	.256	.224	.160	.128	.256	.200	.240	.304	.192	.288	.090	.004	.170	.060	.128	6.44
	Wind movement	43	45	42	32	39	81	57	77	49	40	59	26	53	72	29	24	42	37	66	56	40	50	67	56	57	31	85	93	58	32	4	154
Runyon	Evaporation	.160	.170	.110	.160	.240	.120	.110	.160	.180	.180	.090	.120	.120	.135	.140	.210	.210	.140	.130	.110	.130	.160	.190	.190	.200	.180	.120	.120	.140	.120	.120	4.66
	Wind movement	11	10	12	10	20	18	21	18	15	22	18	13	18	12	8	10	20	14	12	16	30	18	13	11	14	25	14	20	23	40	14	52

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered onpreceding day. *** Pan overflowed.

.05
NJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XL. SEPTEMBER, 1935. No. 9.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The outstanding feature of the weather this month was the heavy to excessive rains that fell during the period from the 2d to 6th, inclusive, The average monthly amount for the State, 6.12 inches, made this the third successive September with rainfall greater than had occurred during that month in twenty-eight years. Last September the average of 9.00 inches was the greatest on record for September, while the previous September (1933) had an average of 6.07 inches. Over the southern half of the State the rain that fell during the period from the 2d to 6th was about all that occurred during the month; in the northern portion, light to moderate amounts fell on five to six days outside this period. Despite the greater number of rainy days in the northern section, the southern half experienced decidedly the greater amount of precipitation, the percentages of normal amounts for the various subdivisions being as follows: The Highlands, 130%; Red Sandstone Plain, 123; Southern Interior, 244%; Sea Coast, 273%; The State, 172%. The driest section was in the extreme northeast portion in Bergen County where rainfall was below the normal. At Atlantic City the monthly amount was 14.37 inches, while at Belle Plain, Cape May County, it was 15.01, both of which broke the State records for September rainfall at individual stations. At Atlantic City, 13.31 inches fell in three days and at Belle Plain, 12.06 in two days.

The temperature average was below normal at all stations and it was the coolest September since 1928. The highest temperatures were in the eighties and recorded mostly on the 12th in the northern half and the 19th in the southern. The lowest were in the 30's and low 40's the most commonly recorded dates being the 24th and 30th.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 63.2°, which was 2.7° below normal. The highest temperature was 89° at Burlington on the 19th, and the lowest, 27°, at Runyon on the 24th. The greatest daily range of temperature was 54° at Runyon on the 24th. The highest monthly mean temperature was 66.3° at Atlantic City, and the lowest, 59.4° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.5°; Red Sandstone Plain, —0.2°; Southern Interior, —0.3°; Sea Coast, +0.5°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 6.12 inches, which was 2.56 inches above normal. The greatest monthly precipitation was 15.01 inches, at Belleplain, and the least, 2.89 inches at Paterson. The greatest amount of precipitation in any 24 consecutive hours was 9.13 inches at Atlantic City on the 5-6th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 8, or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —2.60 inches; Red Sandstone Plain, —7.96 inches; Southern Interior, +0.24 inch; Sea Coast, —2.86 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 11 miles per hour, which was 1 mile below normal. The highest velocity, sustained for 5 consecutive minutes, was 54 miles per hour from the northeast at Atlantic City on the 6th.

MISCELLANEOUS.

The per cent of possible sunshine was 61, or 7 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.05 inches, which was 0.02 inch below normal. The highest reading was 30.38 inches at Ridgefield on the 24th, and the lowest 29.46 inches at Atlantic City on the 6th.

The mean stage of the Delaware River at Phillipsburg was 1.2 feet, and the highest 2.8 feet on the 6th. At Trenton the mean stage was 0.8 foot, and the highest 2.6 feet on the 6th.

Thunderstorms were noted on the following dates: 4, 5, 6, 9, 10, 14, 18, 19 and 21. Dense fog occurred on the following dates: 9, 12, 13, 19, 26, 27 and 28. Light hail fell at Lambertville and Atlantic City on the 21st. Light to heavy frosts were recorded in most sections of the State toward the end of the month. Killing frost occurred in the cranberry bogs and also at Runyon on the 24th.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	−1.7	93	38	0.83	−2.73	1.69	0.25	0	....	....	....	....
1886	66.9	+1.0	95	36	1.13	−2.43	1.76	0.86	0	....	....	....	....
1887	61.6	−4.3	90	30	3.66	+0.10	6.25	1.62	0	7	....	....	....
1888	63.1	−2.8	84	29	7.09	+3.53	10.65	3.75	0	12	....	....	....
1889	64.8	−1.1	90	34	8.36	+4 80	13.13	3.17	0	14	....	....	....
1890	64.4	−1.5	91	33	4.75	+1.19	8.61	2.59	0	10	10	10	10
1891	68.7	+2.8	95	38	2.46	−1.10	5.91	0.90	0	6	16	9	5
1892	64.2	−1.7	90	33	1.81	−1.75	3.78	1.02	0	6	15	11	4
1893	62.7	+3.2	90	31	3.20	−0.36	5.38	1.93	0	8	12	10	8
1894	68.8	+2.9	97	31	7.46	+3.90	11.65	3.69	0	8	10	10	10
1895	69.7	+3.8	**109**	29	1.07	−2.49	2.71	0.22	0	5	17	10	3
1896	65.1	−0.8	95	30	4.37	+0.81	8.74	2.26	0	5	19	7	4
1897	65.5	−0.4	99	30	1.65	−1.91	3.97	0.21	0	5	19	7	4
1898	68.6	+2.7	100	31	2.00	−1.56	3.87	0.65	0	6	17	8	5
1899	64.4	−1.5	93	30	5.88	+2.32	9.61	2.88	0	9	15	9	6
1900	69.9	+4.0	98	32	2.86	−0.70	7.37	1.09	0	6	14	10	6
1901	66.8	+0.9	94	29	3.38	−0.18	6.82	1.63	0	10	15	9	6
1902	64.6	−1.3	93	30	5.65	+2.09	8.95	3.11	0	13	11	7	12
1903	65.0	−0.9	92	29	3.34	−0.22	7.10	1.39	0	7	17	8	5
1904	64.8	−1.1	93	**23**	4.79	+1.23	10.08	0.89	0	7	14	10	6
1905	65.4	−0.5	90	28	5.23	+1.67	9.18	2.87	0	8	16	7	7
1906	68.9	+3.0	94	33	2.19	−1.37	4.66	0.75	0	7	15	9	6
1907	67.1	+1.2	92	31	8.08	+4.52	12.95	3.55	0	14	10	8	12
1908	65.7	−0.2	90	29	2.09	−1.47	4.13	0.95	0	3	11	10	9
1909	64.5	−1.4	89	30	3.30	−0.26	4.58	2.08	0	8	11	10	9
1910	67.3	+1.4	97	32	2.39	−1.17	3.97	1.01	0	6	12	10	8
1911	66.4	+0.5	90	30	2.88	−0.68	5.33	1.08	0	9	10	12	8
1912	65.9	0.0	87	28	4.47	+0.91	6.76	2.68	0	10	12	7	11
1913	64.4	−1.5	96	27	3.87	+0.31	6.55	1.56	0	9	13	8	9
1914	64.0	−1.9	99	24	**0.37**	−3.19	1.64	**0.14**	0	3	21	6	3
1915	68.5	+2.6	97	30	2.08	−1.48	4.46	0.55	0	5	17	9	4
1916	65.2	−0.7	98	31	2.84	−0.72	5.29	1.29	0	6	20	7	3
1917	**61.5**	−4.4	87	27	2.74	−0.82	6.13	0.47	0	6	16	7	7
1918	62.2	−3.7	90	29	3.84	+0.28	6.00	2.66	0	9	14	8	8
1919	65.8	−0.1	96	32	3.26	−0.30	6.28	1.04	0	8	16	6	8
1920	66.8	+0.9	90	30	3.87	+0.31	8.53	1.67	0	7	17	8	5
1921	70.2	+4.3	99	36	2.35	−1.21	5.04	0.80	0	8	15	8	7
1922	66.7	+0.8	95	27	2.26	−1.30	5.22	0.59	0	4	19	5	6
1923	67.0	+1.1	90	28	3.78	+0.22	6.26	2.24	0	7	14	8	8
1924	62.2	−3.7	99	29	5.42	+1.86	8.44	2.47	0	10	13	8	9
1925	67.8	+1.9	96	25	2.92	−0.64	5.81	0.64	0	7	11	11	8
1926	64.5	−1.4	93	32	4.18	+0.62	7.09	1.53	0	10	14	6	10
1927	65.6	−0.3	97	29	2.66	−0.90	5.03	0.65	0	5	19	6	5
1928	62.6	−3.3	90	29	4.52	+0.96	9.62	1.54	0	10	12	8	10
1929	67.0	+1.1	100	28	4.74	+1.18	8.24	2.12	0	8	14	7	9
1930	69.4	+3.5	95	32	2.14	−1.42	4.96	0.44	0	8	16	9	5
1931	**70.5**	+4.6	100	34	1.98	−1.58	3.15	0.86	0	6	19	6	5
1932	66.4	+0.5	100	27	2.29	−1.27	4.60	0.94	0	7	16	8	6
1933	68.0	+2.1	93	38	6.07	+2.51	10.86	2.70	0	10	12	9	9
1934	67.3	+1.4	91	35	**9.00**	+5.44	13.52	4.02	0	13	10	7	13
1935	63.2	−2.7	89	27	6.12	+2.56	**15.01**	2.89	0	8	15	7	8
Period	65.9	....	109	23	3.56	....	15.01	0.14	0	8	15	8	7

W. B. O. Philadelphia-10-25-35-900

Climatological Data for September, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	65.0^{e}	0.0	86	25	36	23	39	5.04	+1.30	2.50	0	6	18	5	7	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	60.8	−1.8	87	13	30	24	42	5.16	+1.01	1.93	0	13	20	2	8	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	37	30	....	5.30	+1.28	2.10	0	9	18	4	8	e.	Brice E. Riker.
Dover	Morris	600	51	59.7	−2.7	80	12	35	24	38	4.30	+0.22	2.16	0	10	10	12	8	......	William C. Harris
Layton	Sussex	480	34	59.4	−3.2	84	12	32	24†	39	5.06	+1.20	1.54	0	11	14	2	14	w.	A. M. Depue.
Long Valley	Morris	520	5	59.8^{d}	......	82	12	32	24	40	3.88	....	......	0	6	19	4	7	w.	S. N .Diits.
Newton	Sussex	769	52	61.2	−2.6	82	12	36	24	33	5.23	+1.47	2.76	0	7	11	10	9	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	62.6	−2.7	84	12	37	24	36	5.08	+1.59	2.80	0	8	16	5	9	......	Town Engineer.
Sussex	Sussex	442	40	62.6	−1.6	87	12	35	24	39	4.50	+0.93	1.52	0	10	17	6	7	......	A. J. W. Mowatt
Means and extremes	......	......	....	61.4	−2.0	87	12†	30	24	42	4.84	+1.12	2.80	0	9	16	6	8	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	60.4	−3.1	81	12	33	24	37	4.11	+0.26	1.45	......	12	15	2	13	nw.	John Kline.
Canoe Brook	Essex	173	5	60.2	.....	84	12	31	24	42	5.20	....	1.58	......	9	17	4	9	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	4.80	+0.58	1.23	......	12	14	9	7	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	......	......	......	......	......	......	....	4.75	+1.14	1.47	0	8	20	3	7	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	64.4	−2.1	86	21	38	24	39	4.84	+1.20	2.41	0	9	18	5	7	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	65.0	−2.5	82	12	43	30	26	5.85	+2.45	1.75	0	8	10	9	11	sw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	62.6	−3.2	82	12	36	30	31	5.21	+1.85	1.68	0	9	17	6	7	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	62.6	−4.7	84	13	36	24	38	4.07	+0.39	1.21	0	12	17	7	6	nw.	Passaic Valley Water Co
Newark	Essex	30	....	63.6	−3.1	82	12	39	30	29	4.17	+0.44	1.72	0	7	11	10	9	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	63.5	−2.3	81	12†	38	30	32	5.71	+2.35	1.86	0	8	17	6	7	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	....	......	......	....	4.20	+0.12	1.75	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	62.4^{b}	−4.0	83	27	37	24	33	2.89	−0.72	1.72	0	10	16	7	7	w.	William H. Meyer.
Plainfield	Union	120	47	63.4	−2.1	83	12	38	30	36	5.06	+1.03	2.16	0	9	13	7	10	sw.	S. K .Pearson.
Ridgefield	Bergen	80	18	63.3	−1.6	83	12	40	24	31	4.32	+1.18	1.40	0	10	14	6	10	s.	George P. Kirsten.
Somerville	Somerset	70	52	62.2	−3.9	79	8†	36	30	35	4.71	+0.99	1.78	0	8	13	9	8	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	3.43	−0.43	1.48	......	10	...	....	....	......	Hackensack Water Co.
New York, N. Y.	......	314	65	64.2	−2.6	81	12	43	30	23	4.48	+1.09	1.65	0	7	9	10	11	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	62.6	−3.0	86	21	31	24	42	4.58	+0.86	2.41	0	9	15	7	8	sw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	64.6	−1.7	85	21†	34	30	39	15.01	+11.63	6.53	0	6	16	6	8	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Bennett K. Matlack
Burlington	Burlington	12	§49	64.0	−3.7	89	19	40	1†	41	5.49	+1.93	2.64	0	8	18	6	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	65.0	......	85	21	42	24	32	7.86	....	2.80	0	6	10	11	9	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	63.6	......	81	21†	37	24	35	6.01	+1.72	2.07	0	7	26	2	8	sw.	Moreau Plant Co.
Hammonton	Atlantic	110	§29	64.1	......	85	21	38	24	37	8.53	+4.32	5.54	0	7	18	6	6	s.	Geo. W. Lobley.
Hightstown	Mercer	110	42	63.4	−3.3	81	8†	37	24†	36	5.05	+1.84	1.70	0	9	14	8	8	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	64.4	−2.0	86	21	35	24	41	6.15	+2.66	2.82	0	6	12	10	8	s.	James M. Armstrong.
Lakewood	Ocean	54	31	63.4	−1.6	80	21	38	24	31	6.31	+3.27	2.80	0	8	16	6	8	sw.	R. W. Holman.
Maple Shade	Burlington	65	....	65.0	......	83	21	40	24	34	8.19	....	2.81	0	7	11	9	10	sw.	Richard J. Smith.
Moorestown	Burlington	62	72	63.2	−3.1	82	21	39	24	32	7.70	+4.17	4.34	0	6	13	9	8	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	12.77	+9.92	5.92	0	6	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	65.0	......	83	15†	38	24	37	6.27	....	2.40	0	6	16	6	8	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	63.5	......	82	16	36	29	32	12.36	+9.57	7.92	......	7	19	2	9	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	12	62.1	......	84	21	27	24	54	4.70	+1.10	1.81	......	7	22	2	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	64.0	−2.9	82	21	40	30	28	5.42	+2.02	3.04	0	7	11	10	9	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	....	6.05	....	3.01	0	8	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	65.2	−1.5	88	10	34	24	36	9.09	+5.83	5.23	0	7	19	3	8	nw.	John H. Brown.
Philadelphia, Pa	......	114	64	66.0	−2.0	83	21	43	30	24	8.36	+5.22	3.84	0	6	12	6	12	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	64.0	−2.5	89	19	27	24	54	7.82	+4.61	7.92	0	7	16	6	8	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	66.3	−0.5	83	20	41	30	22	14.73	+12.08	9.13	0	9	8	10	12	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	63.3	−2.6	81	12†	39	30	28	6.34	+3.15	2.19	0	10	10	9	11	ne.	William D. Martin.
Sandy Hook	Monmouth	22	37	65.4	−2.1	79	12	46	30	21	4.29	+0.86	2.41	0	7	11	9	10	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	65.0	−1.7	83	20	39	30	28	8.45	+5.36	9.13	0	9	10	9	11	s.	
For the State	......	......	....	63.2	−2.7	89	19	27	24	54	6.12	+2.56	9.13	0	8	15	7	8	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for September, 1935

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware		.08	.77	2.50	.84				.43											.42												5.04
Charlotteburg	Passaic		.06	.30	1.10	1.93	.34			.36	.19				.38	.02				.03		.16							.23	.06			5.16
Culvers Lake	Delaware		.05	.40	2.10	.90				.60					.50				.25											.25	.25		5.30
Dover	Passaic		.07	.63	2.16	.30	.50			.28					.07					.02		.17							.10				4.30
Layton	Delaware		.14	.41	1.54	.36				.77	T.				1.10					.07	.03	.10							.49	.05			5.06
Long Valley	Morris		*	*	3.20	.30	T.			.28												T.	.10										3.88
Newton	Delaware		T.	.67	2.76	.43									.30					.20		.32							.55	T.			5.23
Phillipsburg	...do		.09	1.06	2.80	.15	.05			.53	T.			T.	.15					T.								T.	.25				5.08
Sussex	Hudson		.12	.38	1.52	.87				.57	.11				.32					.04		.21							.36				4.50
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic			.07	1.15	1.45	.12	.36			.43				.25	.02			.05			.01	.12							.08			4.11
Canoe Brook ǁǁ	Essex		T.	.10	.90	1.15	1.58	.73			.15					.05							.48							.06			5.20
Chatham ǁǁ	...do			.12	.83	1.23	1.00	.92	.02		.13				.04	.02				T.	.01		.39						.09				4.80
Elizabeth	Coast		.01	.31	1.37	1.01	1.47			.29	.15				T.	T.					T.	T.	.14						T.				4.75
Flemington	Raritan		.06	.61	2.41	.60	1.04			.02	.03				T.	T.						.04							T.	.03			4.84
Jersey City	Coast		T.	.15	.95	.80	1.75			.80					T.	T.			.02	T.	T.	T.							.01	.01			5.85
Lambertville	Delaware		.22	.51	1.68	.91	1.56			.05	.10				T.	T.						.11								.07			5.21
Little Falls ǁǁ	Passaic			.07	1.13	1.21	.72	.57			.09				.11	.02					.02	.03	.02							.08			4.07
Newark***	Coast		T.	.61	.96	.61	1.72			.14					T					T.	T.	.12							.01				4.17
New Brunswick	Raritan		.11	.39	1.41	1.37	1.86			.28	.27		T																T.	.02			5.71
New Milford ǁǁ	Hackensack			.02	1.00	1.75	.30	.76			.10				.08	.02							.08							.09			4.20
Paterson	Passaic		T.	*	1.72	.17	.66			.07	.07				.07	.02						.04	T.						.07	T.			2.89
Plainfield	Raritan		.03	*	2.16	.74	1.84			.18	T.				.07	T.				T.	.01	T							.03				5.06
Ridgefield**	Hackensack		.02	.15	1.40	.85	1.33			T.	.47				.04						.02	.02							.02				4.32
Somerville	Raritan		.03	.38	1.78	.80	1.50				.13				.04					T.										.05			4.71
Woodcliff Lake ǁǁ	Hackensack		.02		.54	1.48	.22	.60			.27	.05				.02							.16							.07			3.43
New York, N. Y***	Coast		T.	.35	1.02	.65	1.58			.84					T.				.02	T.	T.	T.							.02				4.48
The Southern Interior.																																	
Belleplain	Tuckahoe			.08	.85	5.53	6.53				1.60																		.42				15.01
Bridgeton	Delaware																																......
Burlington	Delaware		.25	.10	.90	1.09	2.64			*	.41											T.							.10				5.49
Camden**	..do		.31	.44	1.96	2.80	2.00			.35																			T.				7.86
Freehold	Raritan		.16	.20	1.07	2.05	2.07				.35																		.11				6.01
Hammonton	Mullica			.05	1.83	5.64	.52			.25												.26							.08				8.53
Hightstown	Raritan		.21	.47	.96	1.26	1.70			.18	.20											.06							.01				5.05
Indian Mills	Mullica		.08	.05	.96	2.82	2.18																.06										6.15
Lakewood	Metedeconk		.16	.14	.60	2.25	2.80				.25											.04							.07				6.31
Maple Shade	Delaware		.33	.37	1.58	2.61	2.81			.03	.46											T.							T.				8.19
Moorestown ǁǁ	...do		.32	.42	2.05	4.34	.13			.44																			T.				7.70
Northfield	Coast			.10	1.01	4.93	5.92				.36												T.						.45				12.77
Pemberton	Delaware		.19	.18	.78	2.40	2.30				.42																			T.			6.27
Pleasantville ǁǁ	Coast			T.	.22	2.16	7.92	.65			.25												.10						.36	T.			12.36
Runyon	Coast		.14	.15	.98	1.12	1.81				.48																		.02				4.70
Trenton***	Delaware		.20	.44	1.56	1.01	2.03			.17					T						T.	T.						T.	.01				5.42
Trenton No. 2ǁǁ	...do		.04	.24	.53	1.98	3.01	.04			.19												T							.02			6.05
Tuckerton	Coast			.09	1.14	2.20	5.23				.04											.05							.34				9.09
Phila., Pa***	Delaware		.36	.50	3.25	1.89	2.00			.36																		T.	T.				8.36
The Sea Coast.																																	
Atlantic City***	Coast		T.	.05	2.77	7.52	3.02			.34	.02											.32						.24	.45				14.73
Long Branch**	...do		.12	.38	1.18	1.48	2.19			.23	.01											.66						.08	.01				6.34
Sandy Hook***	...do		.06	.14	1.15	.58	1.94			.36	T.										T.	.06							T.				4.29

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine.
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.06	30.37	25	29.46	6	12.6	54	ne.	6	83	68	75	58
Long Branch	30.04	30.35	24	29.50	29	10.3	34	ne.	6	80	57	76	58
New York, N. Y	30.05	30.38	24	29.57	29	12.6	38	n.	9	78	63	69	58
Philadelphia, Pa	30.07	30.39	25	29.61	29	10.9	36	se.	4	80	61	70	59
Ridgefield	30.05	30.38	24	29.56	29								
Sandy Hook	30.06	30.37	24	29.57	29	12.9	40	n.	6	80	66	74	68
Trenton	30.05	30.36	24	29.60	29	8.0	24	n.	6	81	60	72	59

Daily Temperatures for September, 1935

Stations		1	2	3	4	5	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	80	67	61	67	68	76	80	83	79	74	78	85	82	70	80	73	77	75	73	78	81	71	75	....	86	83	....	....	....	....	....	76.1^{c}
	Minimum	53	56	57	58	63	61	53	51	59	50	44	59	58	54	60	53	50	51	59	60	55	48	36	44	54	55	....	....	....	....	....	53.9^{d}
Charlotteburg	Maximum	78	76	62	64	70	71	75	80	79	73	72	83	87	74	75	68	68	70	76	77	82	76	76	70	79	80	78	80	64	68	....	74.4
	Minimum	42	47	53	55	61	58	51	43	56	49	37	41	52	58	55	46	31	46	47	61	44	49	42	30	40	44	53	51	35	38	...	47.2
Dover	Maximum	73	63	58	69	70	69	72	77	76	68	69	80	73	63	73	63	67	70	72	73	77	73	65	67	76	77	76	66	62	59	....	69.9
	Minimum	49	55	50	56	62	58	52	47	60	51	41	42	52	53	58	47	37	51	53	57	48	49	45	35	42	41	60	54	40	39	....	49.5
Layton	Maximum	76	63	60	64	74	75	75	74	68	70	72	84	76	68	72	70	70	72	73	75	80	77	66	70	79	78	77	63	65	62	....	71.6
	Minimum	45	47	55	52	60	62	44	47	57	45	40	45	48	51	55	48	36	50	50	56	45	45	40	32	44	39	54	52	37	32	....	47.1
Long Valley	Maximum	....	....	....	....	70	74	74	79	79	70	72	82	78	69	75	67	68	73	74	75	78	73	65	69	77	77	77	65	65	60	....	72.5^{d}
	Minimum	....	....	....	....	60	59	52	46	59	49	37	42	48	53	55	45	36	45	50	60	46	46	44	32	38	42	52	52	38	35	....	47.0^{d}
Newton	Maximum	73	74	67	65	68	75	75	79	73	68	73	82	78	68	73	66	70	72	73	75	78	78	68	68	79	79	77	69	66	61	....	72.4
	Minimum	48	58	53	55	59	59	50	50	58	49	49	49	51	50	55	46	49	50	55	58	49	49	41	36	48	51	56	48	39	37	....	49.9
Phillipsburg	Maximum	77	61	60	69	76	76	77	80	80	75	76	84	79	67	77	68	72	74	75	78	82	80	69	72	79	78	80	65	67	63	....	73.9
	Minimum	50	55	57	59	64	62	53	50	60	52	43	48	51	56	58	47	41	49	57	61	49	49	45	37	43	48	58	54	41	39	....	51.2
Sussex	Maximum	77	78	64	63	71	75	80	78	80	70	76	87	85	75	72	74	75	74	74	76	79	79	72	73	82	83	80	68	64	65	....	75.0
	Minimum	48	52	56	56	60	61	49	49	60	50	41	48	54	53	57	49	38	52	56	60	49	48	43	35	46	50	57	50	40	39	....	50.2
The Red Sandstone Plain.																																	
Boonton§§	Maximum	77	57	59	71	69	73	75	77	78	71	72	81	80	66	75	66	72	72	73	77	78	76	66	70	76	76	77	58	65	63	....	71.5
	Minimum	48	52	55	56	59	61	53	47	55	54	40	44	49	55	55	45	37	50	52	61	48	53	45	33	39	44	53	55	37	42	....	49.2
Canoe Brook§§	Maximum	78	64	66	71	66	74	75	81	80	71	75	84	78	66	79	68	70	76	76	79	81	77	67	71	79	78	79	67	66	63	...	73.5
	Minimum	44	51	54	55	59	59	43	45	59	50	36	42	48	53	54	40	35	45	53	58	44	45	44	31	38	43	55	54	35	33	....	46.8
Elizabeth	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Flemington	Maximum	80	75	62	70	71	77	80	82	81	78	80	85	82	73	78	68	76	77	80	78	86	83	80	77	82	82	81	76	70	70	....	77.3
	Minimum	52	57	55	58	63	61	53	51	53	53	44	49	55	57	59	47	42	48	54	60	50	53	49	38	45	48	55	57	42	40	....	51.6
Jersey City	Maximum	79	66	65	71	71	73	75	80	79	72	74	82	77	64	78	66	70	75	76	79	79	78	66	71	79	79	79	67	68	63	....	73.4
	Minimum	61	58	58	58	63	62	58	59	59	56	52	57	60	58	58	50	53	59	61	63	58	59	51	50	53	57	61	54	48	43	....	56.6
Lambertville	Maximum	78	68	65	69	68	72	74	80	80	72	73	82	79	70	78	66	71	76	78	76	80	75	68	71	78	79	70	67	66	62	....	73.0
	Minimum	52	55	55	57	56	61	53	56	62	51	43	53	56	58	61	47	44	50	52	58	52	54	45	40	50	52	58	56	43	36	....	52.2
Little Falls§§	Maximum	79	64	64	72	67	75	77	81	81	74	75	84	79	72	78	70	72	76	77	80	80	79	68	72	80	80	81	68	66	66	.. .	74.6
	Minimum	49	55	56	56	61	61	62	49	56	50	41	46	52	54	57	46	38	50	57	62	48	50	46	36	44	42	62	54	40	40	....	50.7
Newark	Maximum	77	65	61	72	72	72	75	80	79	72	74	82	76	64	78	65	69	76	76	79	80	78	66	70	78	80	80	62	67	62	....	72.9
	Minimum	56	58	58	60	61	60	56	53	61	55	48	53	59	56	57	50	45	54	59	64	53	56	50	43	49	52	60	56	46	39	....	54.2
New Brunswick	Maximum	77	72	62	70	72	72	74	79	79	72	73	81	77	70	79	70	68	76	76	77	81	77	74	71	77	79	80	76	67	63	....	74.0
	Minimum	52	58	57	57	61	62	55	52	64	54	46	51	57	57	61	48	44	49	58	64	51	53	48	40	45	51	60	55	43	38	....	53.0
Paterson	Maximum	77	70	61	69	71	70	....	....	78	70	72	81	76	71	76	67	68	73	74	77	78	75	67	69	77	77	83	77	78	64	....	73.1^{b}
	Minimum	50	57	57	57	64	60	....	....	50	52	43	48	58	55	60	48	40	54	58	60	50	51	47	37	48	47	60	54	42	41	....	51.7^{b}
Plainfield	Maximum	80	65	66	70	71	73	75	81	80	74	75	83	77	63	80	69	71	77	78	80	80	79	68	72	80	80	80	69	69	64	....	74.3
	Minimum	51	58	57	57	63	62	53	51	60	51	44	50	56	57	61	48	43	50	60	63	50	49	49	40	44	50	59	58	42	38	....	52.5
Ridgefield	Maximum	78	64	80	71	71	72	76	80	78	71	76	83	75	62	76	66	70	76	75	79	81	77	67	70	80	79	79	63	67	64	....	73.5
	Minimum	53	58	54	58	62	57	54	53	65	51	45	53	58	55	55	48	42	54	59	58	52	54	48	40	51	55	61	55	43	41	....	53.1
Somerville	Maximum	76	73	61	68	71	71	71	79	79	71	70	79	77	72	77	69	68	74	76	76	79	76	74	69	77	78	78	74	66	62	....	73.0
	Minimum	51	57	56	58	62	62	53	51	62	53	44	48	56	56	60	48	42	49	56	56	50	52	48	38	42	46	57	56	40	36	....	51.5
New York, N. Y.	Maximum	76	66	63	71	71	72	74	77	77	70	73	81	76	65	75	64	68	73	74	77	76	76	64	69	76	77	77	64	65	63	....	71.7
	Minimum	61	58	58	58	62	62	59	59	58	56	53	58	61	58	56	50	54	60	61	63	39	59	51	51	54	58	61	54	48	43	....	56.8
The Southern Interior.																																	
Belleplain	Maximum	79	71	70	74	74	71	71	79	81	80	77	78	83	70	82	76	71	77	80	81	85	85	78	74	77	82	83	74	71	72	....	76.9
	Minimum	44	57	58	65	66	65	56	51	64	57	47	55	52	61	60	47	42	46	53	64	47	58	53	35	41	45	52	60	35	34	....	52.3
Bridgeton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Burlington	Maximum	79	72	64	71	71	75	75	80	80	73	71	80	80	76	82	70	73	78	89	79	84	80	74	73	78	82	81	75	70	64	....	76.0
	Minimum	40	51	49	52	53	68	57	43	65	57	45	54	55	60	62	51	46	48	48	64	50	56	52	40	47	49	56	59	45	41	....	52.1
Camden	Maximum	78	64	65	71	70	71	75	80	82	73	78	80	80	68	84	65	73	76	80	79	85	80	66	72	78	82	82	70	72	63	....	74.7
	Minimum	53	58	59	69	63	64	60	54	61	53	53	57	55	61	57	50	45	50	57	63	53	59	48	42	52	53	61	58	51	44	....	55.4
Freehold	Maximum	77	70	66	73	72	72	71	80	79	76	74	80	75	70	80	66	70	78	78	79	81	77	70	72	79	81	80	72	68	62	....	74.3
	Minimum	50	58	58	62	62	62	54	60	60	54	45	53	53	59	62	46	40	49	56	62	50	50	47	37	45	50	59	58	44	38	....	52.8
Hammonton	Maximum	79	63	69	73	71	70	73	79	80	72	75	76	83	71	81	65	72	77	81	81	85	82	76	75	80	82	83	78	72	64	....	75.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	66	63	50	57	52	38	48	52	59	61	46	39	....	......
Hightstown	Maximum	78	67	63	71	71	74	74	81	80	73	75	81	76	65	80	67	71	78	78	79	81	77	67	73	78	80	81	74	68	62	....	74.1
	Minimum	48	57	57	59	62	62	53	53	64	54	44	55	54	58	61	47	40	49	56	63	49	52	49	37	46	53	61	56	43	37	....	52.6
Indian Mills	Maximum	79	70	66	70	72	71	72	81	82	74	77	81	84	71	82	75	75	80	81	80	86	80	70	76	81	83	84	75	73	64	....	76.5
	Minimum	44	56	56	62	63	62	54	48	63	64	68	61	48	57	57	45	38	42	45	62	47	54	52	35	41	47	58	64	42	38	....	52.4
Lakewood	Maximum	74	71	65	74	72	71	71	77	79	76	70	77	72	69	79	71	66	74	77	77	80	75	71	68	76	79	79	72	69	61	....	73.1
	Minimum	47	57	60	65	64	64	55	53	63	56	47	54	54	62	61	50	42	45	56	62	50	54	50	38	45	48	59	60	47	39	....	53.6
Maple Shade	Maximum	75	68	64	71	71	74	74	78	80	73	75	81	81	71	82	68	74	79	78	79	83	79	72	74	80	82	82	72	69	63	....	75.1
	Minimum	51	59	58	62	69	63	57	54	61	60	47	56	55	60	61	50	44	49	57	63	52	56	52	40	49	52	59	62	46	41	....	54.8
Moorestown	Maximum	75	64	64	72	71	73	73	78	80	71	73	79	79	66	81	65	72	76	77	79	82	78	67	71	76	80	79	69	68	62	....	73.3
	Minimum	51	53	58	63	63	60	57	54	60	53	46	56	55	61	58	47	43	48	57	55	53	54	45	39	49	54	58	57	46	41	....	53.1
Pemberton	Maximum	80	70	65	73	72	72	72	81	79	77	77	80	82	76	83	72	74	77	80	81	83	79	73	75	78	80	80	75	71	64	....	76.0
	Minimum	49	57	59	64	63	64	57	52	64	56	46	54	52	61	63	48	43	50	59	63	50	56	52	38	45	50	60	61	45	39	....	54.0
Pleasantville§§	Maximum	78	68	71	74	72	72	70	75	78	73	71	78	79	70	82	63	70	74	78	81	81	79	65	71	74	76	79	74	68	65	....	73.6
	Minimum	56	56	60	64	67	67	56	53	57	58	47	53	55	57	65	48	44	46	56	64	49	57	53	39	46	46	55	55	36	37	....	53.4
Runyon	Maximum	81	76	68	71	73	75	77	83	81	75	75	82	81	78	80	80	82	80	79	82	84	81	82	81	80	82	83	73	68	68	....	78.0
	Minimum	40	54	52	58	70	62	67	45	60	60	35	44	46	44	44	38	31	40	51	46	41	40	38	27	38	44	61	36	39	35	....	46.2
Trenton	Maximum	76	64	63	72	72	73	74	79	78	72	75	80	78	64	81	66	71	76	77	77	82	77	66	71	77	79	80	67	66	62	....	73.2
	Minimum	55	57	57	60	62	61	56	55	60	56	50	56	60	57	57	52	47	53	60	60	54	58	51	45	52	53	61	55	47	40	....	54.9
Tuckerton	Maximum	74	75	71	74	72	74	72	80	75	88	72	75	80	72	80	70	72	75	80	80	80	80	75	70	70	75	78	78	70	70	....	75.3
	Minimum	45	54	50	60	60	60	61	55	56	58	55	55	60	58	55	40	48	58	60	61	60	68	55	34	55	58	60	58	58	38	....	55.1
Philadelphia, Pa.	Maximum	75	66	65	72	71	74	74	77	79	72	74	79	81	66	83	67	72	75	77	80	83	78	69	71	76	80	80	69	67	63	....	73.8
	Minimum	61	58	58	63	62	63	60	59	61	59	56	62	62	61	59	53	52	57	62	64	60	62	56	52	55	58	62	58	49	43	....	58.2
The Sea Coast.																																	
Atlantic City	Maximum	76	72	72	73	71	73	70	75	76	73	71	76	76	69	82	62	69	74	75	83	75	79	67	69	71	74	77	70	71	63	...	72.8
	Minimum	57	63	63	69	68	63	60	59	61	60	57	64	59	66	60	53	51	64	68	64	57	62	56	50	59	63	66	61	49	41	....	59.8
Long Branch	Maximum	76	66	67	72	70	70	74	76	78	73	69	81	70	66	81	62	66	71	80	80	81	76	65	66	75	78	78	66	66	62	....	72.0
	Minimum	54	60	60	66	63	61	57	56	61	53	47	56	61	61	58	47	44	51	59	57	53	57	45	43	51	56	62	55	45	39	.. .	54.6
Sandy Hook	Maximum	77	67	66	72	72	71	73	75	78	71	67	79	71	67	78	63	66	73	76	78	79	75	66	65	77	76	74	67	68	61	. ..	71.6
	Minimum	61	62	61	64	63	64	61	60	61	59	57	61	63	61	59	53	56	60	63	63	60	61	55	55	56	60	63	57	50	46	....	59.2

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	.128	.004	.084	*	*	.044	.120	.104	.110	.144	.136	.128	.088	.050	.144	.136	.112	.096	.032	.176	.064	.200	.144	.112	.104	.072	.096	.020	.112	.104	....	2.864
	Wind movement	10	7	2	8	23	6	7	9	9	14	17	9	6	14	12	18	9	12	15	12	15	9	17	8	8	13	13	10	7	29	....	348
Pleasantville**	Evaporation	.128	.032	*	.012	....	.138	.064	.160	.122	.160	.160	.144	.160	.064	.144	.160	.160	*	.192	.208	.288	.128	.208	.192	.160	.192	.040	.176	.112	.080	.. .	3.784
	Wind movement	43	0	28	40	55	51	62	20	32	65	29	19	16	46	63	57	30	37	29	56	34	44	38	37	24	34	50	60	91	17	....	1207
Runyon	Evaporation	.120	.020	.030	.020	.000	.170	.120	.140	.080	.220	.120	.120	.120	.120	.120	.120	.120	.120	.095	.095	.095	.120	.120	.120	.120	.120	.120	.120	.090	.120	....	3.115
	Wind movement	8	8	10	16	16	20	6	8	8	17	15	17	16	24	26	23	20	10	17	15	17	14	11	15	16	17	20	12	20	33	....	475

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

J

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XL. OCTOBER, 1935. No. 10.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

October was devoid of any particularly marked weather feature, with the possible exception of the heavy to excessive rains during the last two to three days. During that short period, totals ranging between two and five inches were recorded. Previously the amounts had been light but were well distributed throughout the month. The monthly totals ranged from 143% of the normal for the Highlands section and 134% in the Southern Interior, down to 99% for the Red Sandstone Plain and 89% for the Sea Coast region. For the State as a whole, the average was 132% of normal.

The temperature averaged practically normal, with the first half of the month below and the latter half above normal, generally speaking. The highest temperatures were in the high seventies and low eighties, and were recorded mostly on various dates from the 18th to 23d inclusive. The first general freezing temperatures of the season occurred on the 8th and 17th, except near the Coast section, and the first killing frosts were observed on the 5th and 8th at the great majority of stations.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 39 stations, was 54.8°, which was 0.1° above normal. The highest temperature was 84° at Hammonton on the 23d, and the lowest, 16°, at Runyon on the 17th. The greatest daily range of temperature was 55° at Runyon on the 17th. The highest monthly mean temperature was 57,2° at Atlantic City and Jersey City, and the lowest, 51.0° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.5°; Red Sandstone Plain, —0.3°; Southern Interior, —0.3°; Sea Coast, +0.4°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 4.50 inches, which was 1.09 inches above normal. The greatest monthly precipitation was 6.84 inches, at Pemberton, and the least, 2.00 inches at New Milford. The greatest amount of precipitation in any 24 consecutive hours was 4.10 inches at Newton on the 30th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 8, or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —0.94 inch; Red Sandstone Plain, —8.00 inches; Southern Interior, +1.46 inches; Sea Coast, —3.27 inches.

WIND.

The prevailing wind direction was from the Southwest. The wind movement averaged 12 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 43 miles per hour from the south at Sandy Hook on the 3d.

MISCELLANEOUS.

The per cent of possible sunshine was 72, or 9 per cent above normal.

The mean atmospheric pressure, reduced to sea level, was 30.20 inches, which was 0.13 inch above normal. The highest reading was 30.59 inches at Ridgefield and Trenton on the 16th, and the lowest 29.57 inches at Sandy Hook and Trenton on the 3d.

The mean stage of the Delaware River at Phillipsburg was 0.6 foot, and the highest 4.9 feet on the 31st. At Trenton the mean stage was 0.3 foot, and the highest 2.2 feet on the 31st.

Thunderstorms were noted on the 11th, 12th, 23d and 31st. Dense fog occurred on the following dates: 10, 11, 13, 14, 16, 17, 18, 21, 22, 28 and 29. Killing frost occurred at most stations on the 5th, at others on the 8th, and some have not as yet experienced it.

ERRATA.

January 1935, Layton, greatest precipitation in 24 hours should be 1.45 inches; Pleasantville, minimum temperature should be −5 on the 28th.

February 1935. Bridgeton, minimum temperature of 7 also occurred on the 1st; Camden, maximum temperature should be 63 on the 25th.

March 1935. Long Branch, total snowfall should be 0.5 inch.

May 1935. Belvidere, minimum temperature 36 on the 24th; Moorestown, clear days should be 9, partly cloudy days should be 12; Pleasantville, mean temperature should be 56 9°, mean maximum temperature should be 67.9°; Sandy Hook, highest pressure should be 30.37 inches, lowest pressure should be 29.55 inches.

July 1935. Camden, mean temperature 77.9; Sandy Hook, number of days with .01 inch or more should be 12.

August 1935. Belleplain, greatest precipitation in 24 hours should be 0,59; Maple Shade, greatest precipitation in 24 hours should be 3.09; Ridgefield, greatest precipitation in 24 hours should be 0.43.

September 1935. Jersey City, total precipitation should be 4.49 inches; Sandy Hook, greatest precipitation in 24 hours should be 2.44 inches. Mean precipitation for the Red Sandstone Plain should be 4.50 inches and departure +0.76 inch; Mean prccipitation for the State should be 6.09 inches and the departure +2.53 inches.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	−0.5	82	29	4.20	+0.79	5.85	2.91	0	....	....	....	....
1886	55.6	+0.9	88	21	3.22	−0.19	8.16	2.02	0	....	....	....	....
1887	52.3	−2.4	89	21	2.61	−0.80	5.00	1.58	0	7	....	....	....
1888	49.2	−5.5	73	25	4.73	+1.32	7.00	2.97	0	12	....	....	....
1889	50.8	−3.9	82	23	3.80	+0.39	5.03	2.42	0	11	....	....	....
1890	53.9	−0.8	81	24	6.33	+2.92	10.18	3.40	0	13	9	8	14
1891	52.8	−1.9	92	18	3.44	+0.03	5.57	1.88	0	8	11	11	9
1892	53.6	−1.1	85	21	0.52	−2.89	1.09	0.04	0	4	14	12	5
1893	55.2	+0.5	85	17	4.22	+0.81	6.59	1.74	0	7	15	7	9
1894	55.3	+0.6	87	27	5.67	+2.26	8.23	3.90	0	10	12	7	12
1895	49.9	−4.8	83	18	3.60	+0.19	5.53	1.62	0	5	19	7	5
1896	51.5	−3.2	82	21	2.24	−1.17	4.58	1.72	0	8	11	8	12
1897	55.8	+1.1	**95**	22	2.43	−0.98	6.49	0.87	0	7	14	8	9
1898	56.5	+1.8	88	24	5.76	+2.35	8.42	3.92	0	10	13	9	9
1899	56.6	+1.9	86	18	2.72	−0.69	4.65	1.07	0	6	13	10	8
1900	**59.9**	+5.2	92	19	3.70	+0.29	6.59	1.47	0	10	10	8	13
1901	54.4	−0.3	82	21	1.93	−1.48	4.45	0.87	0	4	17	8	6
1902	56.0	+1.3	80	20	6.39	+2.98	9.35	3.82	0	8	15	7	9
1903	55.9	+1.2	86	24	**8.92**	+5.51	**16.19**	4.17	0	8	13	9	9
1904	51.9	−2.8	89	15	3.78	+0.37	7.01	1.50	0	5	20	6	5
1905	55.5	+0.8	90	17	2.71	−0.70	4.83	0.75	0	7	18	7	6
1906	55.0	+0.3	80	**11**	4.46	+1.05	7.14	2.66	0	11	8	9	14
1907	50.6	−4.1	80	18	4.46	+1.05	7.18	2.70	0	7	22	5	4
1908	57.3	+2.6	92	19	2.71	−0.70	5.14	1.30	0	8	15	5	11
1909	51.2	−3.5	84	18	1.18	−2.23	1.82	0.40	0	8	17	7	7
1910	57.2	+2.5	90	18	3.15	−0.26	5.55	1.55	0	7	15	8	8
1911	53.9	−0.8	80	18	5.49	+2.08	8.23	2.61	0	12	10	9	12
1912	57.0	+2.3	88	25	3.30	−0.11	6.95	1.72	0	5	17	8	6
1913	57.8	+3.1	83	25	7.79	+4.38	13.84	2.70	0	11	12	9	10
1914	58.1	+3.4	88	19	1.99	−1.42	3.08	0.90	0	5	13	9	9
1915	56.2	+1.5	84	23	3.03	−0.38	5.18	1.89	0	9	17	7	7
1916	55.1	+0.4	92	23	1.37	−2.04	2.38	0.51	0	4	18	8	5
1917	50.7	−4.0	84	22	6.99	+3.58	9.74	4.28	0	10	15	8	8
1918	57.0	+2.3	84	22	1.25	−2.16	2.36	0.74	0	8	16	9	6
1919	59.0	+4.3	92	25	3.43	+0.02	4.97	2.01	0	13	9	8	14
1920	59.0	+4.3	87	28	1.80	−1 61	4.53	0.55	0	5	20	5	6
1921	54.1	−0.6	82	16	0.97	−2.44	2.18	0.33	0	5	18	7	6
1922	56.6	+1.9	92	18	1.48	−1.93	2.70	0.55	0	7	19	6	6
1923	53.9	−0.8	81	21	4.25	+0.84	6.37	2.35	0	8	16	8	7
1924	54.4	−0.3	84	16	**0.31**	−3.10	2.76	**T.**	0	1	23	6	2
1925	**49.1**	−5.6	84	12	4.59	+1.08	5.78	3.38	0	11	9	9	13
1926	53.1	−1.6	90	17	4.08	+0.67	6.03	1.79	0	11	13	8	10
1927	56.8	+2.1	94	23	7.82	+4.41	14.07	2.81	0	10	18	5	8
1928	56.1	+1.4	90	16	1.19	−2.22	2.58	0.24	0	6	17	9	5
1929	52.3	−2.4	80	17	4.61	+1.20	7.35	2.62	0	8	15	8	8
1930	52.6	−2.1	89	12	1.95	+1.46	3.70	0.93	0	6	17	7	7
1931	58.3	+3.6	92	24	2.76	−0.65	4.69	1.67	0	8	17	7	7
1932	56.2	+1.5	89	21	5.85	+2.44	9.64	3.53	0	10	13	6	12
1933	53.6	−1.1	84	18	2.04	−1.37	3.37	0.85	T.	6	18	7	6
1934	52.6	−2.1	82	21	2.49	−0.92	3.43	1.48	T.	6	17	6	8
1935	54.8	+0.1	84	23	4.50	+1.09	6.84	2.00	0	8	18	7	6
Period	54.7	....	95	11	3.41	....	16.19	T.	0	8	15	8	8

W. B. O. Philadelphia-11-28-35-900

Climatological Data for October, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	55.6^{e}	+0.5	78	11	27	8	41	5.38	+1.56	3.02	0	7	19	4	8		Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	52.7	+1.4	78	18	20	17	49	5.72	+1.31	2.88	0	12	24	1	6	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34					28	24		4.59	+0.98	2.40	0	4	20	6	5	e.	Brice E. Riker.
Dover	Morris	600	51	52.2	+0.8	75	27	26	17	39	5.68	+1.54	3.45	0	8	6	18	7		William C. Harris
Layton	Sussex	480	34	51.0	−0.1	79	22	21	8†	45	6.22	+2.47	3.47	0	8	16	6	9	sw.	A. M. Depue.
Long Valley	Morris	520	5	51.7		74	12	22	17	43	6.02		3.10	0	5	22	5	4	w.	S. N .Dilts.
Newton	Sussex	769	52	53.2	+0.4	76	22	29	8	39	5.69	+2.04	4.10	0	11	11	9	11	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	53.3	−0.4	75	11†	28	17	37	5.11	+1.51	2.66	0	8	16	7	8		Town Engineer.
Sussex	Sussex	442	40	54.5^{a}	+1.6	79	22	27	8†	43	5.25	+1.89	2.45	0	7	21	3	7		A. J. W. Mowatt
Means and extremes				53.0	+0.6	79	22	20	17	49	5.52	+1.66	4.10	0	8	17	7	7	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	52.9	+0.9	75	13†	23	17	45	4.28	+0.37	3.30		7	20	2	9	nw.	John Kline.
Canoe Brook	Essex	173	5	51.8		78	19	18	17	49	4.70		3.54		8	21	7	3	w.	N. J. Water Policy Comm.
Chatham	Morris	185	31																	Paul Molitor, Sr.
Elizabeth	Union	45	56	54.8	−0.5	77	19†	28	17	44	3.94	−0.01	2.20	0	9	22	1	8	sw.	Union County Park Comm.
Flemington	Hunterdon	140	§49	55.9	+0.3	83	20	26	17	43	4.70	+1.19	2.28	0	9	24	2	5	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	57.2	+1.0	78	18	36	25	30	2.53	−1.57	0.90	0	8	16	10	5	sw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	54.4	+0.2	79	17	30	8†	36	4.73	+1.18	2.93	0	10	20	6	5	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	55.0	+1.8	78	20	24	17	45	3.36	−0.23	2.55	0	7	20	6	5	w.	Passaic Valley Water Co
Newark	Essex	30		55.4	−0.3	78	18	32	8†	34	3.68	−0.13	1.25	0	8	18	6	7		U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	55.2	+0.5	78	18	27	17	37	5.08	+1.26	2.89	0	10	22	5	4	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17								2.00	−0.88	1.32		7					Hackensack Water Co
Paterson	Passaic	80	65	56.4	+1.2	78	18	29	17	38	3.00	−1.11	1.40	0	7	18	10	3	sw.	Raymond Mayorga.
Plainfield	Union	120	47	55.2	+1.4	80	18	27	17	40	4.58	+0.50	2.06	0	9	17	9	5	sw.	S. K .Pearson.
Ridgefield	Bergen	80	18	55.0	+2.2	77	11†	31	8†	37	2.15	−2.08	1.25	0	8	20	6	5	s.	George P. Kirsten.
Somerville	Somerset	70	52	54.5	+0.4	77	18	24	17	41	5.19	+1.61	2.51	0	10	18	8	5	nw.	Louis L. Miller.
Woodcliff Lake‡‡	Bergen	100	17								2.14	−0.71	1.42		7					Hackensack Water Co.
New York, N.Y.		314	65	56.8	+0.5	76	18	37	25	27	2.52	−1.01	1.18	0	8	14	10	7	nw.	U. S. Weather Bureau.
Means and extremes				54.9	−0.8	83	20	18	17	49	3.74	−0.04	3.54	0	8	20	6	5	sw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	55.2	−0.3	82	23	25	17	42	5.61	+2.71	2.00	0	7	20	7	4	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	55.6	−1.6	82	22	32	16	39	4.07	+0.97	1.72	0	9	25	3	3	sw.	Bennett K. Matlack
Burlington	Burlington	12	§49	56.2	−0.7	79	18†	30	17	36	5.04	+1.55	1.59	0	9	18	7	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	3	56.2		80	18	31	17	33	5.21		2.37	0	8	12	14	5	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	54.7		78	18	29	8	37	4.85	+1.14	2.45	0	6	24	4	3	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§29	56.6		84	23	29	17	40	5.68	+1.83	2.83	0	8	21	7	3	nw.	J. G. Wilson.
Hightstown	Mercer	110	42	56.6	+1.7	78	18	28	8†	35	5.92	+2.22	2.79	0	11	17	9	5	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	54.7	−0.5	82	22†	21	27	48	6.17	+2.48	2.21	0	8	15	10	6	se.	James M. Armstrong.
Lakewood	Ocean	54	31	54.0	−0.2	80	23	28	17	36	4.54	+0.74	2.50	0	9	21	4	6	nw.	R. W. Holman.
Maple Shade	Burlington	65		56.4		80	22	31	17	35	4.70		1.96	0	10	14	9	8	sw.	Richard J. Smith.
Moorestown	Burlington	62	72	55.3	+0.4	79	18	31	17	34	4.82	+1.34	1.41	0	9	16	10	5	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28								3.54	+0.34	1.75	0	8					William L. Flick.
Pemberton	Burlington	55	5	56.0		80	18†	28	17	40	6.84		2.89	0	10	23	3	5	w.	Charles S. Beekwith.
Pleasantville‡‡	Atlantic	11	§37	54.7		80	18†	31	17	36	3.23	−0.10	1.52		8	25	3	3	nw.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	12	53.7		81	20	16	17	55	4.67	+0.85	2.38		8	22	5	4	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	55.5	−0.1	78	18	35	17	33	4.73	+1.95	2.47	0	12	14	10	7	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10								4.59		2.39	0	8					Edward H. Ristow.
Tuckerton	Ocean	23	42			80	18	39	5	22	2.63	−0.99	1.04	0	7	22	2	7	nw.	John H. Brown.
Philadelphia, Pa		114	64	57.8	0.0	79	18	38	25	30	3.95	+1.14	1.78	0	10	12	13	6	sw.	U. S. Weather Bureau.
Means and extremes				55.4	−0.2	84	23	16	17	55	4.82	+1.22	2.89	0	9	19	7	5	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	57.2	+0.3	74	19	38	25	23	3.58	+0.38	1.53	T.	9	12	12	7	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	54.6	−0.8	79	23	32	8†	33	3.79	−0.60	1.71	0	9	13	10	8	w.	William D. Martin.
Sandy Hook	Monmouth	22	37	56.5	−0.4	73	18	42	7	22	2.77	−1.01	1.13	0	9	17	6	8	w.	U. S. Weather Bureau.
Means and extremes				56.1	−0.3	79	23	32	8†	33	3.38	−0.41	1.71	0	9	14	9	8	w.	
For the State				54.8	+0.1	84	23	16	17	55	4.50	+1.09	4.10	0	8	18	7	6	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for October, 1935

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware						.65					.08	.08		T.				T.					.23						.28	3.02	1.04	5.38
Charlotteburg	Passaic		.22		.02		.06	.04	.04				.03										.02	.03	.08	.02					2.28	2.88	5.72
Culvers Lake	Delaware	T.										.04											.02	T.							2.13	2.40	4.59
Dover	Passaic	.18					.36					.06											.03	.15						.29	3.45	1.16	5.68
Layton	Delaware		.40		.21							T.	.06										.09	.11						.17	3.47	1.71	6.22
Long Valley	Morris		.20					.22															T.	.38							3.10	2.12	6.02
Newton	Delaware		.48		.02		.08	.02				.03	.11										.04	.25	T.					.15	4.10	.41	5.69
Phillipsburg	...do	.23					.12					.06	T.		T				T.				.06	.11						.19	2.66	1.68	5.11
Sussex	Hudson				.66		.01						.07											.03						.03	2.45	2.00	5.25
The Red Sandstone Plain.																																	
Boonton‖	Passaic		.14				.08	.06					.03										T.		.12						.55	3.30	4.28
Canoe Brook‖	Essex		.13				.12	.26					.05										.02		.10						.48	3.54	4.70
Chatham‖	...do																																......
Elizabeth	Coast		.11				.13	.26					.13										.02	.03	.34					T.	.72	2.20	3.94
Flemington	Raritan		.22				.13						.36			T.							.04	.18	.02			T.		.05	2.28	1.42	4.70
Jersey City	Coast		.07				.16	.41					.17						T.				.08	.14							.60	.90	2.53
Lambertville	Delaware		.25				.10	.37				.24						T.					.04	.30	.03					.02	2.93	.45	4.73
Little Falls.‖	Passaic		.14				.09	.13					.05												.10						.30	2.55	3.36
Newark***	Coast	.05				T.	1.25	.07				.10	T.						T.			T.	.01	.06	T.		T.	T.			1.09	1.05	3.68
New Brunswick	Raritan		.13				.15	.32					.19			T.							.03	.06	.30					.07	.94	2.89	5.08
New Milford‖	Hackensack		.12				.06	.18					.03												.05						.24	1.32	2.00
Paterson	Passaic		.14		T		.14	.13					.03										T.	.15		T.					1.01	1.40	3.00
Plainfield	Raritan		.12				*	.40				.14											.05	.22				T.		.03	1.56	2.06	4.58
Ridgefield**	Hackensack	.10					.14	.31				.03										T.	.01	.10						T.	1.25	.21	2.15
Somerville	Raritan		.21				.11	.22		T.			.15										.02	.06	.15					.16	1.60	2.51	5.19
Woodcliff Lake‖	Hackensack		.11				.04	.14					.04												.11						.28	1.42	2.14
New York, N. Y***	Coast	.07				T.	.42	.21				.16							T.				.08	.14							.72	.72	2.52
The Southern Interior.																																	
Belleplain	Tuckahoe		.12				.53	T.					.36										.20		.40						2.00	2.00	5.61
Bridgeton	Delaware	.15				.06	.56					.62											.10	.22						1.72	.48	.16	4.07
Burlington	Delaware		.26				.25	.40					.46										.07	.12	.32						1.57	1.59	5.04
Camden**	..do	.25				T.	.65					.60	.15										T.	.33						.38	2.37	.48	5.21
Freehold	Raritan						.75						.74										.03	.18							.70	2.45	4.85
Hammonton	Mullica		.06				.27	.40					.76										.09	T	.10						2.83	1.17	5.68
Hightstown	Raritan		.15				.25	.42					.53										.06	.27	.14			.01		.06	1.24	2.79	5.92
Indian Mills	Mullica		.12				.24	.49					.76										.07		.18						2.10	2.21	6.17
Lakewood	Metedeconk		.02				.31	.65					.53										T.	.02	.06			.02			.43	2.50	4.54
Maple Shade	Delaware		.27				.37	.36					.66										.03	.09	.17					.01	1.96	.78	4.70
Moorestown‖	...do	.32				.26	.47					.71										.04		.24						1.41	1.03	.34	4.82
Northfield	Coast		.05				.32	.22					.32										.16		.27						.45	1.75	3.54
Pemberton	Delaware		.03				.29	.45					.74										.05	.03	.18					.08	2.10	2.89	6.84
Pleasantville‖	Coast		.08				.03	.93					.35										.02	.15	T.						.15	1.52	3.23
Runyon	Coast		.11				.17	.42					.24											.27	.20						.88	2.38	4.67
Trenton***	Delaware	.19				.01	.47	.01				.37	.02						T.			T.	.02	.38	T.			.01		.05	1.77	1.43	4.73
Trenton No. 2‖	...do		.16				.22	.39					.39										.02		.38			T.			.64	2.39	4.59
Tuckerton	Coast		1.04					.42					.29										.14					.04			.08	.62	2.63
Phila., Pa***	Delaware	.25				.04	.51					.59	.10										.02	.14						.09	1.77	.44	3.95
The Sea Coast.																																	
Atlantic City***	Coast	.04					.69	.15				T.	.21										.19	.40						.02	.51	1.37	3.58
Long Branch**	...do	.02				T.	.67	.28				.59	.06										.02	.06				T.			.38	1.71	3.79
Sandy Hook***	...do	.04					.43	.18				.16	.03										.10	.25		T.		T.		T.	.58	1.00	2.77

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.21	30.57	16	29.65	3	15.1	38	ne.	31	80	64	75	75
Long Branch	30.20	30.58	16	29.58	3	12.0	34	s.	3	74	53	69	70
New York, N. Y	30.19	30.58	16	29.59	3	14.5	39	nw.	23	72	53	65	75
Philadelphia, Pa	30.22	30.60	16	29.60	3	12.1	32	s.	3	74	51	63	65
Ridgefield	30.19	30.59	16	29.59	3	......	......	......	......	......	......	......	......
Sandy Hook	30.19	30.57	16	29.57	3	13.7	43	s.	3	77	61	72	76
Trenton	30.21	30.59	16	29.57	3	8.6	24	s.	3	78	52	67	67

Daily Temperatures for October, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	...	....	....	69	63	50	59	61	69	71	78	68	73	68	69	64	69	73	76	77	70	77	72	....	59	69	72	72	....	66	60	68.2^e
	Minimum	....	....	....	41	35	41	36	27	33	40	50	44	41	45	51	33	28	42	41	48	43	60	53	...	29	41	50	55	....	57	53	43.0^e
Charlotteburg	Maximum	64	70	67	67	58	56	53	52	67	66	74	73	71	70	73	66	69	78	75	76	68	76	74	76	55	72	68	69	70	69	63	67.9
	Minimum	35	34	28	38	38	37	33	31	23	35	43	39	25	37	51	34	20	38	42	40	32	57	38	36	25	40	49	33	48	55	49	37.5
Dover	Maximum	69	57	65	57	57	48	52	56	60	64	72	61	68	69	65	56	65	74	70	72	67	73	73	58	54	70	75	69	67	62	62	64.1
	Minimum	36	38	32	40	29	39	33	27	28	28	48	37	31	41	47	33	26	44	43	44	37	57	51	38	29	44	67	37	57	59	50	40.3
Layton	Maximum	70	60	70	63	60	52	54	60	64	68	75	61	70	70	65	60	66	74	74	72	70	79	73	65	57	70	70	72	70	65	63	66.5
	Minimum	38	37	37	34	24	38	30	21	22	30	44	33	29	37	40	26	21	36	32	37	30	40	50	35	37	33	44	30	52	57	50	35.6
Long Valley	Maximum	72	58	66	64	56	47	53	57	62	66	69	74	69	68	65	58	65	73	68	72	67	73	73	58	53	68	67	68	68	62	63	64.6
	Minimum	33	37	30	38	30	37	33	26	25	34	44	44	28	39	39	30	22	41	43	45	40	59	49	36	45	41	44	33	54	55	49	38.8
Newton	Maximum	72	61	67	61	58	49	56	60	65	68	73	64	70	56	63	60	65	71	71	73	68	76	72	56	69	68	70	72	67	69	63	65.6
	Minimum	41	38	38	40	31	37	31	29	32	31	46	41	33	46	38	30	31	43	45	49	50	58	54	37	30	43	43	45	52	54	48	40.9
Phillipsburg	Maximum	72	64	69	61	58	50	48	57	63	68	75	62	69	69	66	60	65	75	72	74	69	74	72	56	56	67	68	69	71	66	62	65.4
	Minimum	39	41	36	44	31	41	41	29	30	35	48	39	34	44	51	34	28	41	40	42	42	56	52	40	31	38	44	39	54	59	54	41.2
Sussex	Maximum	76	68	70	65	60	57	57	66	71	72	....	76	75	71	66	66	67	70	77	72	71	79	75	65	58	70	71	71	69	65	62	68.6^a
	Minimum	41	41	34	40	31	40	34	27	29	38	....	40	32	45	42	32	27	44	41	43	43	58	53	39	30	39	48	38	51	61	50	40.4^a
The Red Sandstone Plain.																																	
Boonton§§	Maximum	70	60	68	60	69	51	55	60	64	71	71	72	75	68	68	61	62	74	72	75	68	73	73	66	55	71	69	71	70	64	66	66.8
	Minimum	35	43	32	36	36	39	37	26	28	34	43	43	30	35	48	40	23	29	43	43	40	51	51	40	29	34	51	36	43	60	51	39.0
Canoe Brook§§	Maximum	73	62	69	61	60	52	57	61	63	69	77	63	71	74	63	64	67	78	73	77	69	74	75	70	56	74	71	73	71	64	65	67.6
	Minimum	33	38	30	32	23	38	34	21	27	33	43	44	28	35	43	26	18	37	39	38	32	54	46	36	22	35	45	32	45	57	50	35.9
Elizabeth	Maximum	65	65	64	64	55	55	53	52	55	59	70	70	62	68	65	61	72	71	77	75	75	77	75	71	58	77	73	77	75	68	66	66.8
	Minimum	39	39	37	41	32	40	37	30	33	38	48	49	31	42	51	41	28	42	49	47	49	59	53	38	32	39	49	41	55	62	52	42.7
Flemington	Maximum	75	69	70	66	63	53	57	65	68	72	78	71	74	74	67	66	69	81	80	83	68	81	74	65	62	73	75	73	71	69	63	70.2
	Minimum	38	41	35	40	34	40	36	28	32	37	47	48	34	42	51	39	26	41	45	47	45	57	52	36	31	40	47	38	53	59	52	41.6
Jersey City	Maximum	71	62	67	62	61	51	57	60	64	69	75	64	70	70	69	60	66	78	72	77	69	72	71	58	56	72	68	70	70	64	61	66.3
	Minimum	50	45	51	46	41	40	39	40	44	49	52	47	46	50	51	44	37	48	53	50	54	61	52	41	36	45	53	51	60	59	52	48.0
Lambertville	Maximum	72	65	65	69	59	55	50	60	64	69	70	68	76	70	67	65	79	71	76	77	71	76	71	60	64	62	69	69	71	61	61	67.2
	Minimum	46	39	38	40	35	33	35	30	34	34	36	37	40	38	42	35	45	47	50	46	50	60	59	36	30	32	38	44	53	53	50	41.5
Little Falls§§	Maximum	75	63	71	63	69	51	59	63	66	71	77	73	74	74	71	65	69	77	75	78	71	77	75	69	67	74	70	74	72	64	64	69.5
	Minimum	37	40	33	37	31	31	38	27	29	36	46	44	32	41	59	34	24	42	44	47	40	54	51	37	30	43	50	37	50	61	50	40.5
Newark	Maximum	73	61	69	62	60	51	56	57	62	66	76	63	70	71	69	58	66	78	72	77	68	73	72	56	56	73	69	70	71	66	62	66.2
	Minimum	43	41	41	45	35	40	38	32	37	37	51	46	39	45	45	39	32	45	52	49	49	60	55	41	37	41	53	45	56	58	51	44.5
New Brunswick	Maximum	73	67	69	65	59	54	55	60	60	69	76	70	69	69	69	64	64	78	72	76	67	75	72	67	55	68	69	71	73	67	67	67.4
	Minimum	40	42	36	41	34	39	37	30	32	38	50	49	35	44	51	36	27	45	48	47	49	58	57	40	34	41	49	42	54	60	51	43.1
Paterson	Maximum	74	63	70	65	65	62	57	61	65	69	76	70	72	73	71	60	67	78	73	76	75	76	75	60	67	73	70	72	72	68	65	69.0
	Minimum	40	43	37	42	36	41	39	31	33	37	50	46	35	46	53	39	29	47	48	52	45	62	55	39	34	42	49	41	56	61	51	43.8
Plainfield	Maximum	74	64	71	63	62	51	58	61	64	70	76	64	71	71	71	60	67	80	73	78	70	74	72	58	57	72	70	73	72	64	65	67.6
	Minimum	38	40	36	40	32	40	37	32	32	38	49	44	35	48	51	37	27	45	45	47	50	58	52	40	33	42	50	40	59	60	52	42.9
Ridgefield	Maximum	72	61	68	63	62	49	57	59	64	62	77	64	71	71	67	61	68	77	73	76	67	75	73	57	57	72	69	71	73	64	64	66.6
	Minimum	44	41	38	43	35	40	36	31	35	38	52	43	38	48	45	37	31	48	48	52	48	63	51	40	33	42	52	42	58	58	52	43.9
Somerville	Maximum	72	67	68	64	58	53	54	57	62	67	75	70	68	71	68	64	65	77	74	75	69	74	74	68	55	69	69	70	73	68	64	67.2
	Minimum	38	41	34	41	30	40	36	28	29	36	48	47	34	40	48	38	24	40	44	42	47	60	55	36	49	37	48	36	55	62	52	41.8
New York, N. Y	Maximum	68	60	63	61	59	50	56	59	64	67	73	63	70	68	66	60	65	76	70	75	67	71	71	57	54	71	65	68	68	64	59	64.8
	Minimum	51	45	52	46	42	39	39	40	47	51	53	48	48	50	50	45	42	49	55	52	54	62	52	41	37	45	54	53	61	57	53	48.8
The Southern Interior.																																	
Belleplain	Maximum	74	66	71	65	63	54	55	61	67	71	78	69	69	72	71	65	65	79	74	81	76	80	82	73	56	72	71	72	75	68	64	69.6
	Minimum	38	39	35	40	28	38	33	29	31	32	49	51	33	30	45	35	25	39	40	49	47	58	61	41	31	38	42	36	56	61	54	40.8
Bridgeton	Maximum	73	65	72	64	62	46	56	61	69	70	78	67	69	73	72	63	68	80	79	79	74	82	80	58	53	73	71	69	74	66	59	40.4
	Minimum	41	40	42	33	40	34	33	34	37	43	51	40	43	48	38	32	34	56	49	48	57	60	41	34	35	45	40	43	58	56	53	42.8
Burlington	Maximum	73	69	70	67	61	58	55	60	67	71	77	70	70	70	69	65	64	79	74	79	76	78	76	68	56	69	72	66	69	69	64	68.7
	Minimum	38	44	37	48	34	41	37	34	34	35	49	50	37	41	48	39	30	44	45	50	51	60	57	41	36	43	43	40	53	62	52	43.6
Camden	Maximum	74	63	70	62	63	47	54	61	64	70	77	62	70	70	69	58	64	80	74	78	75	79	71	56	57	70	70	72	72	63	61	67.0
	Minimum	44	42	38	44	37	41	38	38	43	37	52	45	40	44	49	37	31	48	50	53	50	62	60	42	38	45	52	41	54	62	55	45.5
Freehold	Maximum	72	61	70	61	60	53	54	59	63	69	75	67	69	69	69	59	64	78	71	74	71	76	74	66	54	67	68	71	74	67	62	66.7
	Minimum	38	40	38	44	31	40	35	29	32	34	48	49	39	42	51	34	32	41	46	50	51	61	56	39	30	41	42	45	54	61	51	42.7
Hammonton	Maximum	73	64	71	63	63	55	56	63	68	73	80	68	73	73	71	64	68	80	74	79	78	81	84	74	56	73	73	72	78	70	65	70.4
	Minimum	41	41	36	40	31	41	35	32	31	35	48	52	37	42	49	36	29	43	49	51	48	60	61	41	33	33	49	41	51	52	56	42.7
Hightstown	Maximum	74	62	71	62	60	53	56	60	63	70	76	69	70	70	70	62	63	78	72	76	72	75	72	67	54	68	68	71	72	68	64	69.7
	Minimum	40	40	36	41	32	39	35	28	31	36	49	49	37	42	50	34	28	44	45	49	48	56	59	38	32	41	46	40	52	62	52	43.6
Indian Mills	Maximum	74	66	68	65	64	57	55	63	68	74	80	71	73	73	69	63	69	81	74	78	77	82	82	72	57	72	73	73	77	67	64	70.4
	Minimum	35	40	34	39	27	40	33	28	30	33	45	51	30	39	46	25	21	33	39	40	48	54	55	36	27	31	47	38	50	61	53	39.0
Lakewood	Maximum	70	61	67	61	59	53	53	56	59	64	75	66	65	69	69	59	64	76	73	74	71	76	80	69	55	67	67	48	75	67	63	65.5
	Minimum	37	42	33	44	29	31	37	31	31	35	48	51	35	38	48	36	28	43	48	50	50	63	57	40	34	47	48	37	50	60	52	42.4
Maple Shade	Maximum	75	63	72	63	61	54	56	61	66	71	77	69	70	70	70	68	64	79	73	78	75	80	72	68	56	69	70	71	76	68	63	68.6
	Minimum	40	44	39	42	35	40	35	32	35	37	50	51	39	44	50	39	31	45	47	51	47	59	59	40	35	44	52	40	54	62	54	44.3
Moorestown	Maximum	72	61	69	60	60	46	54	59	66	70	76	68	69	69	68	57	63	79	72	76	75	78	72	56	55	69	70	71	76	65	56	66.4
	Minimum	49	44	38	44	35	41	36	32	35	36	50	44	39	45	49	36	31	46	51	50	49	54	58	41	35	43	49	40	56	60	54	44.2
Pemberton	Maximum	74	65	72	65	56	56	57	62	68	73	77	66	72	72	70	60	67	80	75	80	74	80	75	60	55	71	73	71	75	68	63	68.8
	Minimum	41	42	37	41	30	41	34	31	32	33	49	52	37	40	48	39	28	44	46	48	51	61	60	40	32	42	50	41	56	62	54	43.3
Pleasantville§§	Maximum	69	66	67	64	63	49	55	59	64	67	73	60	65	69	71	59	64	80	74	80	73	72	76	67	57	71	68	69	73	66	63	66.9
	Minimum	40	42	35	43	32	42	35	32	34	35	49	52	35	37	48	38	31	44	45	50	47	60	60	42	34	38	42	39	39	62	57	42.5
Runyon	Maximum	74	76	72	64	65	48	65	64	76	75	78	74	73	74	73	72	71	76	78	81	79	77	74	67	73	72	74	74	75	72	64	71.9
	Minimum	42	28	26	32	20	40	32	20	36	40	42	49	40	28	30	24	16	38	40	36	38	61	47	39	24	22	32	36	45	45	52	35.6
Trenton	Maximum	71	61	68	59	59	48	54	59	65	70	76	62	70	69	68	57	62	78	72	76	73	77	70	56	55	70	69	70	73	64	63	65.9
	Minimum	45	43	42	45	38	40	38	35	36	37	51	49	41	46	49	39	35	46	51	51	50	60	52	40	35	41	52	45	54	60	53	46.1
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Philadelphia, Pa	Maximum	72	64	70	61	60	47	56	60	66	69	76	65	69	68	71	59	62	79	72	79	74	78	70	58	55	70	70	71	73	66	63	66.9
	Minimum	49	45	47	47	43	41	38	38	43	48	54	52	46	51	51	43	42	49	54	53	54	61	54	43	38	45	55	51	57	62	54	48.6
The Sea Coast.																																	
Atlantic City	Maximum	67	65	66	66	60	50	57	58	61	67	66	62	65	65	70	53	61	72	74	74	69	67	68	57	57	71	65	66	67	65	62	64.3
	Minimum	55	45	52	47	41	39	38	39	45	47	59	54	50	54	52	43	40	55	51	57	58	60	55	44	38	48	54	54	61	62	56	50.1
Long Branch	Maximum	69	62	67	62	60	49	55	55	61	64	73	62	63	72	65	54	65	78	72	76	65	77	79	55	56	68	66	66	68	64	58	64.7
	Minimum	43	39	37	44	33	41	37	32	35	39	53	43	39	46	51	34	32	49	51	53	56	62	52	41	38	43	48	43	59	58	53	44.6
Sandy Hook	Maximum	66	61	63	61	59	49	55	55	59	63	72	62	64	67	66	55	64	73	67	72	63	70	71	56	55	65	65	65	66	63	60	63.0
	Minimum	51	47	52	49	44	43	42	44	48	48	55	52	49	51	51	46	43	51	54	56	54	61	54	44	42	48	54	50	57	58	54	50.0

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	.114	.112	.112	.136	.072	.036	.104	.072	.056	.072	.082	.128	.064	.048	.128	.096	.096	.096	.096	.128	.068	.048	.004	.160	.096	.096	.064	.064	.096	....	.034	2.578
	Wind movement	11	25	12	30	20	14	9	12	8	10	17	15	9	9	15	67	6	3	6	7	7	10	36	32	21	19	22	10	26	54	64	606
Pleasantville**	Evaporation	.144	.128	.160	.192	.254	.002	.128	.160	.144	.160	*	.094	.096	.064	.096	.128	.160	.144	....	.176	.100	*	*	.070	.128	.224	.128	.064	.054	.016	.026	3.240
	Wind movement	19	51	69	80	62	54	99	62	40	25	33	44	31	23	29	101	29	50	37	109	27	28	77	122	88	55	57	15	65	128	66	1775
Runyon	Evaporation	.090	.110	.120	.095	.095	.140	.060	.120	.060	.080	.080	.060	.100	.080	.095	.095	.095	.060	.060	.060	.060	.000	.060	.270	.080	.080	.080	.080	.070	.080	.380	2.995
	Wind movement	17	23	25	31	25	18	20	19	21	11	9	18	18	17	18	25	15	21	19	22	21	23	19	40	24	25	18	30	38	37	49	716

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered onpreceding day. *** Pan overflowed.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XL. NOVEMBER, 1935. No. 11.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month as a whole was warm and wet. The State average temperature of 47.8 degrees is the fifth highest for November in fifty one years of record, while the precipitation was the second heaviest for November in the past 24 years. The highest temperatures recorded were in the seventies and occurred mostly on the 5th, and the lowest were generally between 15 and 25 and were registered on the 24th and 25th. During the first half of the month the daily averages were above the normal, while the second half was more changeable with cold periods during the 16-18th and 23d-25th, and warm spells during the 20th-22d and 27-29th.

Only two stations experienced less than the normal amount of precipitation. It was well distributed throughout the month, the heaviest general rains coming during the periods of the 17-18th and 28-29th. During the former period several stations in the extreme south had from three to five inches in 24 hours. The following are the percentages of normal amounts received by the various subdivisions: The Highlands, 155%; Red Sandstone Plain, 132%; Southern Interior, 207%; Sea Coast, 159%; the State, 156%. The amount of snow was heavier than usual for November, the State average of 2.1 inches being practically the same as that for the previous heaviest amounts with the exception of the unusually heavy average of November, 1898.

A slight earthquake was experienced about 1:10 a. m. of the 1st at a number of points scattered over the State. No damage was reported.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 40 stations, was 47.8°, which was 4.2° above normal. The highest temperature was 78° at Bridgeton and Dover on the 5th, and the lowest, 8°, at Canoe Brook on the 25th. The greatest daily range of temperature was 40° at Charlottesburg on the 9th. The highest monthly mean temperature was 50.3° at Atlantic City, and the lowest, 43.9° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.9°; Red Sandstone Plain, +0.2°; Southern Interior, +0.1°; Sea Coast, +0.8°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 46 stations, was 4.95 inches, which was 1.77 inches above normal. The average total snowfall at 20 selected stations was 2.1 inches, which was 1.0 inch above normal. The greatest monthly precipitation was 7.34 inches, at Pleasantville, and the least, 2.83 inches at Newton. The greatest amount of precipitation in any 24 consecutive hours was 4.88 inches at Atlantic City on the 16-17th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 13, or 5 more than normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, +0.79 inch; Red Sandstone Plain, —7.00 inches; Southern Interior, +4.41 inches; Sea Coast, —1.36 inches.

WIND.

The prevailing wind direction was from the Northwest. The wind movement averaged 15 miles per hour, which was 1 mile above normal. The highest velocity, sustained for 5 consecutive minutes, was 66 miles per hour from the northeast at Atlantic City on the 17th.

MISCELLANEOUS.

The per cent of possible sunshine was 27, or 31 per cent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.10 inches, which was normal. The highest reading was 30.37 inches and occurred at three stations, on either the 7th or 27th, the lowest reading was 29.51 inches at Long Branch on the 18th.

The mean stage of the Delaware River at Phillipsburg was 5.8 feet, and the highest 11.7 feet on the 30th. At Trenton the mean stage was 3.4 feet, and the highest 6.5 feet on the 30th.

Dense fog was noted on the following dates: 1, 11, 12, 13, 21, and 22. Sleet occurred in light amounts quite generally in the State on the 17th and 18th, it was also noted in scattered sections on the 7th, 16th and 24th. Light hail fell at Paterson on the 13th. A thunderstorm occurred on the 13th, being observed at a number of stations. Killing frost has occurred at all stations, it occurring as late as the 25th at some places.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	+1.2	76	18	4.53	+1.35	7.90	2.27	......	....	....	....	....
1886	44.5	+0.9	73	17	4.49	+1.31	6.24	3.45	......	....	....	....	....
1887	41.5	−2.1	72	13	1.94	−1.24	2.60	0.95	......	6	....	....	....
1888	45.8	+2.2	77	8	3.97	+0.79	5.41	2.66	......	10	....	....	....
1889	45.7	+2.1	69	13	**8.48**	+5.30	11.45	4.70	......	13	....	....	....
1890	43.8	+0.2	74	11	0.82	−2.36	1.10	0.38	......	8	13	12	5
1891	42.2	−1.4	70	6	2.39	−0.79	3.47	1.54	......	4	12	10	8
1892	41.9	−1.7	71	12	7.29	+4.11	9.49	4.74	......	11	8	9	13
1893	41.8	−1.8	70	11	3.48	+0.30	4.53	2.19	......	7	10	11	9
1894	40.3	−3.3	76	11	3.34	+0.16	5.12	1.77	....	10	13	7	10
1895	45.7	+2.1	80	12	3.17	−0.01	5.10	1.56	0	10	12	7	11
1896	48.2	+4.6	78	12	3.05	−0.13	5.68	1.37	3.2	8	9	9	12
1897	43.8	+0.2	74	10	4.59	+1.41	5.95	2.42	1.3	12	8	11	11
1898	42.4	−1.2	70	11	6.76	+3.58	9.07	3.83	**14.7**	14	10	9	11
1899	44.0	+0.4	71	17	2.29	−0.89	4.32	0.72	1.1	7	15	8	7
1900	47.5	+3.9	79	15	3.43	+0.25	5.54	1.82	T.	9	9	10	11
1901	**38.5**	−5.1	69	10	2.38	−0.80	4.23	1.18	0.8	6	12	9	9
1902	49.3	+5.7	80	20	2.20	−0.98	4.17	0.87	0.2	8	10	11	9
1903	39.9	−3.7	79	3	1.26	−1.92	2.03	0.75	T.	6	16	8	6
1904	40.2	−3.4	69	6	2.18	−1.00	3.40	1.30	1.6	6	12	10	8
1905	42.1	−1.5	70	6	1.84	−1.34	2.86	0.54	0.1	6	12	10	8
1906	43.6	0.0	70	8	1.61	−1.57	2.52	1.06	2.3	6	16	7	7
1907	43.5	−0.1	68	13	5.65	+2.47	6.95	4.19	0.8	13	10	8	12
1908	43.1	−0.5	72	2	0.96	−2.22	1.29	0.35	2.2	4	14	8	8
1909	46.4	+2.8	80	12	2.36	−0.82	4.33	1.32	2.1	8	13	8	9
1910	40.4	−3.2	71	13	3.79	+0.61	5.73	1.63	1.4	9	5	13	12
1911	41.3	−2.3	73	13	5.17	+1.99	6.50	3.17	1.7	10	8	11	11
1912	45.3	+1.7	76	11	3.43	+0.25	8.12	2.02	1.3	6	15	8	7
1913	46.2	+2.6	77	21	2.71	−0.47	4.89	1.00	T.	7	14	7	9
1914	43.3	−0.3	80	6	2.60	−0.58	4.81	1.21	0.7	6	16	8	6
1915	44.0	+0.4	75	17	1.69	−1.49	3.11	0.96	0	8	14	8	8
1916	43.3	−0.3	75	12	2.11	−1.07	3.81	0.80	T.	8	16	5	9
1917	39.8	−3.8	68	9	**0.56**	−2.62	1.15	0.18	0.7	3	19	5	6
1918	43.9	+0.3	71	12	1.87	−1.31	3.05	0.49	0	7	14	6	10
1919	43.7	+0.1	76	13	3.74	+0.56	6.18	1.98	T.	11	13	7	10
1920	43.0	−0.6	74	12	4.41	+1.23	7.90	2.14	0.2	10	9	6	15
1921	44.3	+0.7	79	18	4.26	+1.08	6.69	2.79	0.1	14	9	6	15
1922	44.3	+0.7	73	13	0.91	−2.27	1.56	0.49	0.2	6	13	8	9
1923	43.1	−0.5	72	11	2.51	−0.67	4.09	1.10	0	7	11	8	11
1924	42.9	−0.7	77	**1**	2.03	−1.15	3.23	1.17	1.3	5	14	8	8
1925	42.0	−1.6	76	10	3.40	+0.22	5.10	2.48	0.7	9	14	8	8
1926	42.5	−1.1	76	8	4.04	+0.86	7.19	2.44	T.	9	13	8	9
1927	47.9	+4.3	78	15	4.02	+0.84	8.68	1.74	0.1	11	10	8	12
1928	45.1	+1.5	78	13	1.90	−1.28	2.76	1.20	0.3	9	10	9	11
1929	44.5	+0.9	**83**	4	2.73	−0.45	3.64	2.08	0.4	10	10	7	13
1930	44.1	+0.5	73	2	3.70	+0.52	6.54	1.41	0.2	9	12	6	12
1931	**50.3**	+6.7	80	14	0.82	−2.36	1.19	0.42	1.6	6	12	7	11
1932	42.0	−1.6	71	3	7.81	+4.63	**12.66**	3.92	T.	9	14	6	10
1933	40.6	−3.0	78	7	1.01	−2.17	1.89	**0.08**	0.6	7	13	7	10
1934	47.3	+3.7	80	10	2.91	−0.27	5.00	1.30	0.1	11	12	6	12
1935	47.8	+4.2	78	8	4.95	+1.77	7.34	2.83	2.1	13	7	6	17
Period	43.6	....	83	1	3.18	....	12.66	0.08	1.1	8	12	8	10

W. B. O. Philadelphia-1-13-36-900

Climatological Data for November, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	46.6	+5.2	73	5	23	24	27	5.69	+2.50	1.75	4.0	9	10	3	17	......	Miss C. S. Hixsou.
Charlotteburg‡‡	Passaic	719	43	46.3	+5.9	71	6	20	24	40	5.86	+2.24	1.67	5.5	17	16	0	14	e.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34	......	......	......	......	20	24	....	4.03	+0.93	1.23	4.3	11	6	6	18	ne.	Brice E. Riker.
Dover	Morris	600	51	45.4^a	+5.0	78	5	22	24	32	5.51	+1.96	1.72	4.2	14	3	12	15	......	William C. Harris
Layton	Sussex	480	34	43.9	+4.6	72	5	21	24	35	6.23	+3.16	1.31	5.5	11	9	0	21	ne.	A. M. Depue.
Long Valley	Morris	520	5	45.2	......	71	5	20	23	29	5.01	....	1.75	......	10	10	5	15	w.	S. N .Dilts.
Newton	Sussex	769	52	44.4	+3.6	72	5	19	24	28	2.83	−0.24	0.95	6.5	13	5	3	22	ne.	Irving J. Keru.
Phillipsburg	Warren	363	§52	46.6	+4.8	73	5	25	24†	24	5.26	+2.43	2.00	3.1	13	6	5	19	......	Town Engineer.
Sussex	Sussex	442	40	46.0	+4.8	73	5	20	25	31	3.65	+0.83	1.05	3.0	12	13	2	15	......	A. J. W. Mowatt
Means and extremes	......	......	....	45.6	+4.8	78	5	19	24	40	4.90	+1.73	2.00	4.5	12	9	4	17	ne.	
The Red Sandstone Plain.																				
Boonton	Morris	100	§45	45.8	+4.6	71	2†	18	25	29	4.40	+1.39	1.20	.....	13	7	1	22	ne.	John Kline.
Canoe Brook	Essex	173	5	45.7	......	73	5	8	25	40	4.11	....	1.14	......	15	7	7	16	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31	......	......	......	......	......	......	....	4.54	+1.10	1.30	5.0	13	7	8	15	......	Paul Molitor. Sr.
Elizabeth	Union	45	56	49.4	+5.6	76	5	24	24	25	3.64	+0.72	1.05	2.5	13	10	4	16	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§49	48.8	+5.5	75	5	22	24	30	4.60	+1.65	1.73	1.5	17	7	7	16	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	49.0	+4.5	73	5	22	24	26	3.24	+0.24	1.15	2.5	14	5	4	21	n.	S. K. Pearson.
Lambertville	Hunterdon	430	48	46.8	+3.7	73	5	20	24	28	4.44	+1.44	1.73	1.4	15	7	5	18	ne.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	48.1	+6.1	74	5	18	25	32	4.66	+1.26	1.12	2.5	12	7	5	18	ne.	Passaic Valley Water Co
Newark	Essex	30	....	48.3	+4.6	74	5	24	24†	24	2.97	−0.46	1.14	2.5	13	6	5	19	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	48.4	+4.8	74	5†	21	25	26	5.22	+2.38	1.22	3.0	14	7	9	14	ne.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17	......	......	......	......	......	......	....	3.59	+0.38	1.09	.....	13	....	....	....	......	Hackensack Water Co
Paterson	Passaic	80	65	48.8	+5.1	72	5	22	25	27	3.90	+0.78	1.30	4.1	13	9	6	15	ne.	Raymond Mayorga.
Plainfield	Union	120	47	48.2	+5.6	74	5	21	25	29	4.05	+1.00	1.21	4.2	14	5	6	19	ne.	S. K .Pearson.
Ridgefield	Bergen	80	18	47.2	+5.4	74	5	20	25	26	3.78	+0.94	1.28	3.5	13	5	8	17	se.	George P. Kirsteu.
Somerville	Somerset	385	52	45.9^f	+3.2	71^f	11	22	24	33	4.44	+1.47	1.41	T.	16	8	7	15	......	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	17	......	......	......	......	......	......	....	3.79	+0.76	1.34	......	11	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	314	65	48.6	+4.4	72	5	22	24	25	3.20	+0.24	1.34	1.8	13	6	3	21	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	47.7	+4.9	76	5	8	25	40	4.09	+1.00	1.73	2.7	14	7	6	17	ne.	
The Southern Interior.																				
Belleplain	Cape May	30	41	49.8	+5.4	76	5†	23	25	31	5.70	+3.16	3.20	2.0	13	3	14	3	se.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	48.0	+2.3	78	5	22	24	28	4.88	+2.28	1.82	2.5	12	14	3	13	sw.	Beunett K. Matlack
Burlington	Burlington	12	§49	50.0	+0.3	73	13	19	24	30	6.58	+3.60	1.83	0.3	16	6	11	13	n.	Public Service G. & E. Co.
Camden	Camden	20	3	48.6	......	75	5	25	24	23	4.80	....	1.85	0.3	12	4	5	21	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	48.0	......	74	5†	16	25	28	5.69	+1.67	1.70	3.0	15	6	10	14	ne.	Moreau Plant Co.
Hammonton	Atlantic	95	§29	49.8	......	76	5	24	24	29	5.53	+2.49	2.26	2.0	17	5	13	12	nw.	J. G. Wilson.
Hightstown	Mercer	110	42	48.5	+5.0	75	5	19	25	26	5.69	+2.78	1.73	2.9	15	6	8	16	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	48.4	+4.9	76	13	20	25	30	5.04	+2.04	1.80	2.0	8	5.	10	15	nw.	James M. Armstroug.
Lakewood	Ocean	54	31	48.8	+5.6	76	5	17	25	26	6.02	+2.93	2.90	2.0	13	7	4	19	ne.	R. W. Holman.
Maple Shade	Burlington	65	....	49.7	......	76	5	24	24	24	5.54	....	2.11	1.7	15	3	7	20	nw.	Richard J. Smith.
Moorestown	Burlington	62	72	48.4	+5.5	76	5	25	24†	24	5.59	+2.68	2.05	T.	10	7	8	15	ne.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28	......	......	......	......	......	......	....	6.96	+4.25	4.49	0.7	16	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	5	49.9	......	76	5	23.	25	26	4.36	....	1.47	1.0	15	8	3	19	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	49.1	+4.6	72	13	23	25	30	7.34	+4.52	2.85	......	15	8	5	17	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	12	46.7	......	75	5	9	25	38	6.21	+3.03	2.51	......	12	8	7	15	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	48.1	+3.7	76	5	23	24	23	4.27	+1.54	1.24	2.0	15	6	4	20	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	......	......	......	......	......	......	.. .	5.30	....	1.39	3.2	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	42	48.4	+3.7	70	5	20	25	30	7.31	+4.31	3.27	0.2	15	11	7	12	nw.	John H. Brown.
Philadelphia, Pa	......	114	64	50.0	+4.3	74	5	25	24	21	4.07	+1.37	1.86	0.4	14	6	4	20	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	48.8	+4.1	78	5	9	25	38	5.71	+2.95	3.27	1.6	14	7	8	15	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	50.3	+4.7	67	13	27	24	21	7.27	+4.45	4.88	1.1	14	2	6	22	nw.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	48.8	+4.6	77	5	26	25	26	4.60	+1.04	2.10	1.5	15	4	3	23	w.	William D. Martin.
Sandy Hook	Monmouth	22	37	49.5	+3.7	72	5	24	24	17	3.59	+0.24	1.35	0.7	15	6	0	24	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	49.5	+4.3	77	5	24	24	26	5.15	+1.91	4.88	1.1	15	4	3	23	nw.	
For the State	......	......	....	47.8	+4.2	78	5	8	25	40	4.95	+1.77	4.88	2.1	13	7	6	17	nw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T. precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for November, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.08	....	....	....	....	.19	.09	....	....	....	T.	.68	....	....	....	1.75	.68	....	.07	....	....	T.	....	....	....	....	.84	1.31	....	....	5.69
Charlotteburg	Passaic	.11	.47	.02	.02	.03	....	.09	.18	....	.02	....	.12	.30	1.37	....	....	1.03	.58	....	....	....	....	.12	.21	....	....	....	.11	1.08	....	....	5.86
Culvers Lake	Delaware	.10	....	....	....	.05	....	T.	.25	....	....	....	.25	.75	....	....	.10	1.23	.75	....	....	....	....	.17	T.	....	....	....	.28	.10	....	....	4.03
Dover	Passaic	.25	.05	....	....	.06	....	.14	.14	....	.01	....	.38	1.28	....	....	....	*	1.72	....	.04	....	....	.09	.01	....	....	....	1.34	....	....	....	5.51
Layton	Delaware	....	.15	....	....	.71	....	.12	.10	....	....	....	T	1.18	.09	....	....	1.31	.60	....	.21	....	....	....	....	....	....	....	.93	.83	....	....	6.23
Long Valley	Morris	....	.07	....	....	....	....	.23	.11	....	....	....	.36	.35	....	....	....	1.75	.20	....	.04	....	....	T.	T.	....	....	....	1.39	.51	....	....	5.01
Newton	Delaware	.05	.16	....	T	.05	....	.15	T.	....	....	.15	....	.83	.03	T.	....	.95	.32	....	.04	....	....	.04	.01	....	....	....	....	.05	T.	....	2.83
Phillipsburg	...do	.05	.08	....	T.	.05	....	.13	.11	....	T.	T.	.52	.17	....	....	T.	1.73	.14	.03	.03	....	T.	T.	T.	....	....	T.	2.00	.22	T	....	5.26
Sussex	Hudson	.05	.18	....	....	....	....	.09	.20	....	....	....	.64	.17	....	....	....	.30	.74	....	.04	....	....	.05	....	....	....	....	1.05	.14	....	....	3.65
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	.11	.11	....	....	.02	T.	....	.20	....	....	.01	.34	.18	.90	....	....	.17	1.07	....	.02	....	....	....	.07	....	....	....	T.	1.20	....	....	4.40
Canoe Brook ‖	Essex	.05	.07	....	....	.02	.07	....	.31	....	....	.03	.14	.05	.33	....	....	.48	.93	....	.05	....	....	T.	.32	....	....	....	.12	1.14	....	....	4.11
Chatham ‖	...do	.12	.11	....	....	.02	.05	....	.28	....	....	T	.18	.07	.32	....	....	.48	1.30	....	.07	....	....	....	.37	....	....	....	T.	1.17	....	....	4.54
Elizabeth	Coast	.45	.04	....	....	.01	T.	.28	T.	....	....	T.	.16	.05	T.	....	....	1.03	.18	....	.04	....	....	.02	.10	....	....	....	.23	1.05	....	....	3.64
Flemington	Raritan	.14	.04	....	....	.01	....	.28	.07	....	.01	.03	.28	.03	.01	....	T	1.73	.69	....	.07	....	....	.03	.11	....	....	....	.19	.89	....	....	4.60
Jersey City	Coast	.02	.01	....	T.	T.	T.	.27	.02	....	T	.02	.15	.04	....	T.	....	1.15	.11	....	.01	....	....	.02	.08	....	....	....	.93	.41	....	....	3.24
Lambertville	Delaware	.33	.04	....	....	.12	....	.23	.04	....	T.	.08	.28	.16	....	....	T.	1.73	.28	....	.02	....	....	.05	.07	....	....	....	.40	.61	....	....	4.44
Little Falls ‖	Passaic	.16	.37	....	....	....	.04	....	....	.25	....	....	.25	.05	.58	....	....	.69	.90	....	.02	....	....	....	.23	....	....	....	....	1.12	....	....	4.66
Newark***	Coast	.05	.04	....	T.	T.	T.	.24	.01	....	....	.02	.34	.05	....	T	T.	1.14	.03	....	.02	....	....	T.	.02	....	....	T.	.84	.17	....	....	2.97
New Brunswick	Raritan	.22	.05	....	T.	.03	....	.32	.06	....	....	....	.22	.60	.18	T.	....	1.22	.56	....	....	....	....	.19	.11	....	....	....	.31	1.15	....	....	5.22
New Milford ‖	Hackensack	.12	.24	....	....	.02	.02	....	.19	....	....	....	.22	.10	.03	....	....	.30	1.09	....	.05	....	....	....	.14	....	....	....	....	1.07	....	....	3.59
Paterson	Passaic	.17	.12	....	T.	T.	.03	.15	.05	....	T.	T.	.40	.35	T.	....	....	1.30	.11	....	.03	....	....	T.	.16	....	....	....	.38	.65	....	....	3.90
Plainfield	Raritan	.06	.02	....	T.	.03	T.	.28	....	....	T	.01	.23	.42	....	....	T.	1.21	.37	....	.03	....	....	.11	.04	....	....	....	.65	.59	....	....	4.05
Ridgefield**	Hackensack	.23	.01	....	T.	.01	.01	.23	.02	....	T.	T.	.16	.27	....	T.	....	1.00	.18	....	.03	....	T.	T	.35	....	....	....	T.	1.28	....	....	3.78
Somerville	Raritan	.14	.04	....	....	.02	....	.20	.10	....	T.	.02	.20	.40	.17	T.	T.	1.41	.42	....	.06	....	....	.07	.07	....	....	....	.23	.89	....	....	4.44
Woodcliff Lake ‖	Hackensack	.14	.22	....	....	....	....	....	.16	....	....	....	.26	.07	.21	....	....	.20	1.34	....	.07	....	....	....	.08	....	....	....	....	1.04	....	....	3.79
New York, N. Y***	Coast	.03	T.	....	T.	T.	T.	.26	.02	....	T.	.02	.16	04	....	T.	T.	1 16	.06	T.	.01	....	....	.04	.06	....	....	....	1.15	.19	....	....	3.20
The Southern Interior.																																	
Belleplain	Tuckahoe	.10	.10	.10	....	....	....	.20	.10	....	....	.40	.10	....	....	....	T.	3.20	.30	....	.10	....	....	.20	....	....	....	....	.10	.70	....	....	5.70
Bridgeton	Delaware	.03	....	.03	....	....	....	.29	....	....	.32	.14	....	.03	.03	....	1.82	.66	....	.05	....	....	....	.20	....	....	....	....	1.28	....	....	....	4.88
Burlington	Delaware	.10	.05	....	.01	....	....	.43	.08	....	.03	.12	.25	1.50	.28	T.	T.	1.53	.30	....	.10	....	....	.03	T.	....	....	....	.20	1.57	....	....	6.58
Camden**	..do	T.	....	....	....	....	....	.35	T.	....	....	.08	.32	.20	....	T.	.35	1.85	.05	.07	T.	....	....	.03	.05	....	....	....	1.28	.17	....	....	4.80
Freehold	Raritan	.24	.23	....	.02	....	....	.42	.08	....	.05	.06	.30	....	.01	T	....	1.70	.50	....	.03	....	....	T.	.29	....	....	....	1.03	.73	....	....	5.69
Hammonton	Mullica	.30	.15	.02	.02	.01	....	.22	.21	....	T.	.23	.08	.01	....	T.	.01	2.26	.34	....	....	....	....	.11	.10	....	....	....	.10	1.36	T.	....	5.53
Hightstown	Raritan	.45	.10	....	....	....	T.	.57	.06	....	....	.05	.29	.20	.01	....	....	1.12	.48	....	.04	....	....	.07	.20	....	....	....	.32	1.73	....	....	5.69
Indian Mills	Mullica	.48	.12	....	....	....	....	.35	....	....	....	.22	....	....	....	....	....	1.80	.38	....	....	....	....	T.	.25	....	....	....	....	1.44	....	....	5.04
Lakewood	Metedeconk	.30	.60	....	T.	....	T.	.15	.05	....	T.	.15	.40	....	....	T	T.	2.40	.50	....	.02	....	....	.02	.20	....	....	....	.21	1.02	....	....	6.02
Maple Shade	Delaware	.08	.01	....	T.	....	T.	.41	.05	....	.05	.07	.38	.10	....	T.	T.	1.93	.18	....	.08	....	....	.09	.05	....	....	....	.37	1.66	....	....	5.54
Moorestown ‖	...do	.08	....	....	....	....	....	.45	....	T.	.08	.35	T.	.48	....	....	1.60	.37	....	.07	....	....	....	.06	T.	....	....	....	2.05	....	T.	....	5.59
Northfield	Coast	.24	.25	.01	....	....	....	.19	.09	....	T.	.24	.07	T.	.04	....	.06	4.49	.35	....	.01	....	....	.04	.06	....	....	....	.02	.80	....	....	6.96
Pemberton	Delaware	.04	.12	....	.02	T.	....	.28	.06	....	....	.10	.21	....	....	T.	.01	1.47	.40	....	.02	....	....	.05	.05	....	....	....	.51	1.02	....	....	4.36
Pleasantville ‖	Coast	.65	.07	.13	.03	....	....	....	.28	....	....	.22	.10	....	.02	....	.06	2.85	1.94	....	.05	....	....	....	.05	.02	....	....	....	.87	....	....	7.34
Runyon	Coast	.42	.17	....	....	.03	....	.45	.10	....	....	.10	.18	.08	....	....	....	1.68	.83	....	....	....	....	T.	.26	....	....	....	....	1.91	....	....	6.21
Trenton***	Delaware	.01	T.	....	T.	T.	T.	.48	.03	....	T.	.17	.28	.33	....	T.	.20	1.04	.17	.02	.03	....	....	.21	.06	....	....	T.	1.05	.19	....	....	4.27
Trenton No. 2 ‖	...do	.46	.01	....	....	.01	T.	T.	.56	....	....	.12	.31	.02	.40	....	T.	1.04	.77	....	.05	....	....	T.	.16	T.	....	....	....	1.39	....	....	5.30
Tuckerton	Coast	.92	.41	.04	....	.02	....	.29	....	.04	.05	....	....	.09	....	....	.06	1.43	3.27	....	....	....	....	.02	....	....	.02	....	.04	.61	....	....	7.31
Phila., Pa***	Delaware	.03	T.	....	T.	T.	T.	.40	.02	....	T.	.03	.28	T.	....	T.	.39	1.58	.02	.08	.01	....	....	.01	.04	....	....	....	1.04	.14	....	....	4.07
The Sea Coast.																																	
Atlantic City***	Coast	.03	.14	....	.02	T.	....	.24	.02	....	T.	.29	.09	T.	.01	T.	1.22	3.84	.27	....	T.	....	....	.09	T.	....	....	....	.77	.24	....	....	7.27
Long Branch**	...do	.10	.14	....	T.	....	....	.31	.01	....	.05	.07	.17	.03	....	T.	.03	2.10	.23	....	T.	....	T.	.04	.10	....	....	....	.92	.30	....	....	4.60
Sandy Hook***	...do	.01	.24	....	T.	T.	T.	T.	.44	.01	....	.05	.04	.19	.02	....	T.	T.	1.03	.10	.02	....	....	.05	.04	....	....	....	1.07	.28	....	....	3.59

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.10	30.37	27	29.54	17	17.7	66	ne.	17	86	77	81	27
Long Branch	30.10	30.37	7	29.51	18	14.1	50	ne.	17	83	74	77	28
New York, N. Y	30.10	30.37	7	29.57	18	15.3	46	s.	28	80	73	76	31
Philadelphia, Pa	30.12	30.41	24	29.62	28	14.0	45	n.	17	79	67	74	26
Ridgefield	30.10	30.35	7	29.56	18	....	....	....	....	....	....	....	....
Sandy Hook	30.09	30.36	7	29.56	18	16.8	55	ne.	17	84	75	80	26
Trenton	30.11	30.37	7	29.60	28	10.2	28	s.	28	83	71	77	28

Daily Temperatures for November, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	62	70	58	62	73	67	46	62	59	60	67	64	63	53	44	41	39	44	50	44	50	53	44	40	48	48	49	60	54	50	....	54.1
	Minimum	54	57	50	55	54	42	41	41	32	42	54	52	47	35	40	37	32	32	27	37	27	30	32	23	24	29	31	45	40	30	....	39.1
Charlotteburg	Maximum	62	69	65	60	70	71	53	58	65	56	66	58	70	63	49	44	46	38	47	50	54	54	50	41	43	40	50	60	58	48	....	55.3
	Minimum	52	55	48	38	49	49	36	40	25	35	50	52	54	39	36	34	30	30	28	32	28	28	38	20	24	25	31	42	37	34	....	37.3
Dover	Maximum	60	69	....	59	78	65	49	59	55	55	67	64	67	54	44	41	36	38	46	48	50	54	38	40	46	41	47	61	55	42	....	52.7^a
	Minimum	59	54	....	46	60	33	37	39	29	44	53	56	46	42	37	36	31	31	28	38	29	30	28	22	25	30	34	44	32	28	....	38.0^a
Layton	Maximum	60	65	60	60	72	68	48	60	60	65	68	64	60	47	43	40	37	37	50	50	50	60	38	41	44	41	45	56	53	37	....	52.3
	Minimum	53	55	48	39	57	38	34	40	25	32	40	46	43	40	35	35	31	31	32	32	22	23	31	21	23	23	28	42	36	30	....	35.5
Long Valley	Maximum	63	67	65	59	71	68	53	59	55	58	67	63	66	53	53	41	40	39	46	50	49	51	44	44	42	40	33	61	56	40	....	53.2
	Minimum	58	51	49	44	55	48	36	36	37	36	49	53	51	40	37	36	30	31	28	35	32	22	20	25	29	30	31	32	30	29	....	37.3
Newton	Maximum	58	66	58	59	72	66	46	58	58	65	68	63	63	51	42	38	35	37	40	46	48	49	42	41	43	39	46	58	53	37	....	51.5
	Minimum	50	55	45	43	56	43	32	39	30	39	51	55	45	39	35	33	30	30	32	36	28	38	27	19	22	28	33	43	35	30	....	37.4
Phillipsburg	Maximum	62	68	59	61	73	67	47	59	55	61	65	65	67	54	45	43	43	39	46	52	49	51	37	41	46	44	49	60	48	40	....	53.2
	Minimum	55	58	52	52	59	43	41	40	32	41	53	56	48	44	40	38	33	35	29	38	29	30	27	25	25	31	32	46	35	31	....	39.9
Sussex	Maximum	59	66	62	68	73	68	57	57	61	56	71	65	61	53	47	43	41	41	46	46	51	50	46	42	45	41	48	61	52	40	....	63.6
	Minimum	53	57	47	45	57	49	39	42	30	36	52	56	42	41	36	36	33	33	28	34	27	28	30	22	20	28	32	44	39	32	....	38.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	61	71	59	62	71	63	55	60	50	55	69	65	66	59	44	42	40	41	44	50	52	58	34	42	38	43	49	63	49	42	....	53.2
	Minimum	51	55	52	42	50	54	37	41	28	32	50	55	56	42	39	39	35	32	30	33	29	29	32	23	18	22	35	35	41	32	....	38.3
Canoe Brook§§	Maximum	61	71	60	65	73	65	55	61	57	58	69	65	71	62	45	44	40	43	51	52	54	58	35	41	48	42	54	63	50	43	....	55.2
	Minimum	50	54	51	38	49	53	32	40	25	33	50	54	56	43	40	38	33	31	23	33	23	26	31	22	8	21	30	39	37	24	....	36.2
Elizabeth	Maximum	62	70	69	64	76	74	57	63	58	60	65	66	71	65	50	44	42	45	49	54	55	58	51	40	48	44	51	63	59	41	....	57.1
	Minimum	54	57	55	49	59	53	43	45	36	45	55	54	58	45	41	40	34	34	28	36	30	33	31	24	30	29	34	45	40	30	....	41.6
Flemington	Maximum	62	71	68	67	75	69	50	64	59	61	71	67	70	58	51	44	42	46	55	53	55	50	47	42	53	45	51	63	59	45	.. .	57.1
	Minimum	55	59	52	50	59	50	39	44	32	39	53	55	58	44	42	39	33	33	28	36	30	31	31	22	23	32	31	42	40	30	....	40.4
Jersey City	Maximum	62	70	61	62	73	66	50	62	56	61	67	66	70	51	45	45	41	45	51	54	55	56	39	46	50	45	52	62	52	41	....	55 2
	Minimum	55	56	51	52	60	53	45	46	42	50	55	57	50	44	40	40	33	32	33	44	38	37	30	22	24	34	41	50	35	32	....	42.7
Lambertville	Maximum	60	65	57	60	73	68	58	65	61	58	69	65	71	68	55	50	37	41	49	51	51	50	43	38	48	46	48	64	49	38	....	55.0
	Minimum	52	50	50	48	52	40	41	42	42	35	54	41	50	42	42	37	31	31	28	38	32	34	30	20	23	32	32	42	37	26	....	38.5
Little Falls§§	Maximum	62	72	62	66	74	66	56	63	62	64	69	67	69	62	45	43	40	45	53	51	55	60	44	42	50	46	55	64	55	44	....	56.9
	Minimum	52	55	51	42	52	54	38	43	30	39	51	54	57	42	39	38	34	32	28	37	29	30	33	22	18	28	35	44	40	31	....	39.3
Newark	Maximum	61	70	59	61	74	68	49	60	57	60	64	68	70	51	44	43	40	45	50	54	53	57	40	41	48	44	51	63	51	39	....	54.5
	Minimum	54	57	53	53	59	45	41	44	36	50	46	56	59	43	40	39	33	34	34	42	35	38	36	24	24	33	39	50	35	31	....	42.1
New Brunswick	Maximum	60	66	64	64	74	71	53	61	56	62	68	65	74	63	50	43	42	43	50	53	54	57	50	39	47	44	50	63	60	40	....	56.2
	Minimum	54	57	53	48	58	53	40	44	35	44	55	55	57	44	40	39	32	32	29	37	31	32	29	23	21	33	34	45	40	29	.. .	40.7
Paterson	Maximum	62	71	65	61	72	68	50	62	58	57	68	66	68	68	45	43	40	47	50	52	54	60	40	41	49	44	51	64	58	42	....	55.9
	Minimum	55	69	62	47	59	49	41	45	34	48	53	56	60	43	39	39	33	33	31	43	33	35	32	23	22	31	40	47	40	31	....	41.8
Plainfield	Maximum	62	70	62	63	74	66	46	63	58	61	68	65	72	55	44	44	39	45	50	53	66	59	39	41	50	44	52	64	57	41	....	55.4
	Minimum	54	57	53	50	60	66	41	45	34	42	53	57	50	44	40	40	33	33	29	45	30	31	30	22	21	30	35	50	37	31	....	41.1
Ridgefield	Maximum	60	71	60	61	74	58	50	61	56	59	66	67	70	51	41	44	40	45	49	54	53	57	40	39	46	42	52	62	47	39	....	53.8
	Minimum	54	55	47	50	60	44	41	43	34	49	54	57	47	43	39	39	33	33	29	45	34	35	26	23	20	30	37	53	34	30	....	40.6
Somerville	Maximum	....	....	....	....	....	....	58	62	63	65	71	68	70	64	63	43	41	44	51	51	53	58	47	43	48	42	49	63	58	40	....	54.8^f
	Minimum	....	....	....	....	....	....	38	42	30	42	55	56	55	43	40	38	32	32	28	37	32	38	30	22	23	30	35	44	38	28	....	37.0^f
New York, N. Y.	Maximum	61	69	60	61	72	66	52	61	55	61	66	66	68	50	45	46	41	45	52	55	55	56	39	38	50	46	52	61	50	40	....	54.6
	Minimum	55	56	52	52	59	47	46	47	43	51	56	57	46	41	38	41	32	32	34	44	39	39	26	22	25	35	42	50	35	33	....	42.5
The Southern Interior.																																	
Belleplain	Maximum	60	64	63	67	76	70	55	62	58	66	69	76	74	76	51	47	49	46	50	60	57	60	50	38	47	52	54	63	61	44	....	58.8
	Minimum	54	60	56	53	60	51	38	48	35	35	57	57	62	47	41	40	33	32	27	39	29	31	29	24	23	29	25	48	39	25	....	40.9
Bridgeton	Maximum	60	67	63	67	78	60	50	58	60	66	71	71	71	57	47	45	38	47	51	59	56	58	33	38	48	52	57	63	49	40	....	56.0
	Minimum	54	56	52	55	55	40	45	36	40	56	54	60	47	41	40	37	32	30	31	31	32	31	23	22	30	28	42	39	30	28	....	39.9
Burlington	Maximum	60	64	64	63	72	70	56	59	59	63	65	67	73	67	52	43	42	47	55	58	60	60	59	40	48	52	53	65	67	48	....	58.4
	Minimum	55	58	54	53	60	54	42	47	39	43	55	55	50	47	43	40	33	32	32	37	34	30	30	19	27	30	30	47	41	34	....	41.7
Camden	Maximum	61	67	59	66	75	56	47	61	60	65	67	68	72	52	46	44	39	43	54	55	56	56	38	39	47	50	54	65	49	40	....	55.0
	Minimum	55	59	56	54	61	47	44	42	38	42	56	56	52	47	41	38	34	33	34	38	37	35	28	25	30	36	32	48	39	32	....	42.3
Freehold	Maximum	58	63	61	62	74	67	48	60	57	61	68	66	74	64	48	43	43	45	51	56	55	57	47	38	44	45	51	62	49	39	....	55.2
	Minimum	53	56	53	49	59	48	40	47	33	45	55	55	59	45	41	41	35	33	28	37	31	34	30	23	16	33	33	45	37	30	....	40.8
Hammonton	Maximum	59	63	62	65	76	70	53	62	61	66	69	73	75	66	47	44	43	45	55	61	58	61	47	38	47	50	53	68	63	41	....	58.0
	Minimum	55	58	56	53	61	49	41	47	35	37	56	56	61	47	42	41	34	34	29	35	31	33	31	24	25	32	28	47	40	30	....	41.6
Hightstown	Maximum	59	65	65	65	75	71	54	61	56	63	69	67	73	65	48	44	43	44	52	54	54	56	50	39	45	46	51	64	59	41	....	56.6
	Minimum	54	57	52	45	59	52	38	45	33	38	53	55	61	45	40	40	34	33	29	37	31	32	31	23	19	30	32	45	40	29	....	40.4
Indian Mills	Maximum	58	63	63	66	74	71	53	60	61	65	71	72	76	68	60	44	40	44	53	63	57	58	53	36	47	50	52	67	57	40	....	58.1
	Minimum	51	55	54	50	59	41	37	45	32	37	58	54	54	46	40	39	33	32	26	33	27	29	29	22	20	27	25	45	40	25	...	38.8
Lakewood	Maximum	59	62	62	63	76	69	52	60	58	63	66	69	72	64	47	45	46	45	47	59	55	56	49	38	43	45	51	63	60	40	....	56.1
	Minimum	54	57	55	47	60	47	38	50	35	37	56	55	60	47	44	42	38	35	28	40	31	38	32	26	17	31	30	47	39	28	. ..	41.5
Maple Shade	Maximum	60	66	64	67	76	69	48	62	58	65	67	68	73	63	48	44	43	44	55	55	56	57	45	40	48	50	53	65	58	41	....	56.9
	Minimum	55	55	55	53	60	48	42	46	36	41	56	56	62	46	44	40	37	34	31	40	34	33	34	24	27	33	31	48	41	33	....	42.5
Moorestown	Maximum	60	65	60	65	76	61	47	61	59	63	68	67	72	51	46	44	40	44	52	54	55	56	40	39	47	49	52	65	49	40	....	54.9
	Minimum	55	50	55	53	61	43	43	45	37	52	57	57	51	46	40	39	33	32	32	39	35	32	29	25	25	37	33	48	40	32	....	41.8
Pemberton	Maximum	59	62	60	65	76	70	50	63	60	65	70	69	75	65	47	49	46	45	55	59	57	59	50	37	49	50	53	66	59	39	....	57.6
	Minimum	56	56	56	53	61	49	41	46	35	43	57	58	61	47	41	41	35	34	31	39	32	35	32	24	23	31	32	47	39	32	....	42.2
Pleasantville§§	Maximum	59	63	60	66	71	62	58	61	59	65	67	68	72	65	48	50	47	45	55	63	55	56	39	37	47	51	56	59	56	42	....	56.7
	Minimum	55	57	57	54	58	57	40	49	36	37	58	58	60	47	43	41	42	33	29	33	30	35	36	25	23	29	26	30	41	27	....	41.5
Runyon	Maximum	59	65	65	65	75	74	54	64	64	68	70	69	74	72	64	44	44	40	42	60	52	44	38	38	40	46	48	54	50	42	....	55.8
	Minimum	54	57	40	39	52	52	46	33	26	34	52	54	66	48	44	42	34	32	22	26	21	28	32	26	9	26	27	34	42	30	....	37.6
Trenton	Maximum	60	66	59	63	76	65	46	61	58	63	69	66	72	53	46	43	37	43	50	54	54	56	39	38	46	47	51	64	46	40	....	54.4
	Minimum	54	58	53	51	60	46	42	46	39	44	56	56	49	45	40	37	32	33	32	41	36	38	29	23	27	34	38	46	36	33	....	41.8
Tuckerton	Maximum	58	60	61	64	70	68	61	58	52	56	62	62	64	61	62	59	58	51	45	58	58	59	50	40	38	40	45	55	41	40	....	55.2
	Minimum	41	46	48	54	60	60	31	40	43	43	46	54	55	50	48	51	44	36	32	38	40	41	31	30	20	26	35	38	32	32	.. .	41.5
Philadelphia, Pa.	Maximum	61	67	61	66	74	67	49	63	61	64	67	67	72	54	47	44	59	45	53	55	54	58	40	41	49	50	53	65	48	40	....	55.8
	Minimum	55	59	56	54	61	49	45	49	44	48	58	57	51	47	42	39	34	35	35	45	41	40	28	25	31	39	41	48	37	34	....	44.2
The Sea Coast.																																	
Atlantic City	Maximum	59	61	61	64	67	66	56	63	58	64	65	64	67	57	48	49	52	45	53	60	56	56	42	35	49	50	53	58	50	41	....	55.6
	Minimum	57	57	57	58	59	48	47	49	45	57	59	58	57	48	44	43	36	35	33	44	38	42	30	27	28	35	39	50	38	32	....	45.0
Long Branch	Maximum	59	60	59	63	77	67	56	60	56	61	65	68	71	54	46	44	44	44	44	56	53	55	41	40	46	45	50	61	48	41	....	54.5
	Minimum	54	55	55	56	61	41	45	43	39	55	58	59	55	45	43	42	37	36	32	40	34	40	30	27	26	34	34	52	34	30	....	43.1
Sandy Hook	Maximum	59	63	60	61	72	66	56	60	55	60	63	65	67	52	47	45	45	45	48	54	52	55	43	41	47	45	51	60	49	39	....	54.2
	Minimum	56	58	56	53	61	49	47	51	46	55	56	57	52	46	44	42	38	37	38	43	40	40	29	24	30	37	40	49	37	34	....	44.8

^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	.034	*	046	.040	.004	.022	.064	*	.038	.032	*	.010	.018	.034	.056	.024	.080	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	22	5	4	5	28	32	9	3	10	17	25	9	7	22	18	9	60	34	30	18	9	10	24	14	5	8	4	21	58	49	....	569
Pleasantville**	Evaporation	.006	.002	*	.030	.080	.128	.008	.096	....	.060	.036	.064	.052	.128	.044	.610	.020	.096	*	.082	....	.096	.050	.020	....	....	*	.022	....	....	....	1.730
	Wind movement	95	71	81	36	73	118	81	53	63	18	55	30	85	88	97	149	165	262	124	83	42	19	119	139	140	49	52	53	146	58	....	2644
Runyon	Evaporation	.020	.050	.040	.040	.030	.080	.020	.100	.060	.000	.010	.040	.080	.040	.040	.030	.080	.030	.040	.040	.040	.040	.000	.000	.000	.040	.060	.000	.010	.000	....	1.060
	Wind movement	43	20	15	21	65	28	20	18	21	15	7	8	20	39	46	51	102	67	31	11	30	13	22	38	27	17	22	57	35	40	....	949

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

H. O. GEREN.

TRENTON, N. J.

Vol. XL. December, 1935. No. 12.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Cold weather predominated during the month, except for the period from the 8th to 16th, inclusive, when above-normal temperatures prevailed. The State average placed the month among the coldest Decembers on record, ranking about sixth in fifty-one years. The highest temperatures came on the 9th and were mostly in the fifties, while the lowest hovered around the zero mark on the 29th. Four stations recorded below-zero temperatures. Beginning with the 21st the temperature was below freezing for the remainder of the month.

The precipitation was light, but frequent, and the totals were mostly less than half the normal amounts. It was nearly all in the form of rain during the first two decades, and then all snow during the third one. Heavy snows, averaging about five inches, fell during the 29-30th. This storm was considerably heavier in the southern part of the State, with ten to twelve inches recorded in some spots, and with much drifting due to high winds that prevailed at the time. The various subdivisions experienced the following percentages of their normal amounts of precipitation: The Highlands, 45%; Red Sandstone Plain, 35%; Southern Interior, 59%; Sea Coast, 49%; State, 45%. The average snowfall for the State, 9.7 inches, is the second largest for December during the past eighteen years.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 37 stations, was 28.9°, which was 4.8° below normal. The highest temperature was 60° at three stations on the on the 9th or 10th, and the lowest, −14°, at Runyon on the 31st. The greatest daily range of temperature was 44° at Canoe Brook and Runyon on the 31st. The highest monthly mean temperature was 32.4° at Atlantic City, and the lowest, 24.9° at Layton.

The temperature departure from the normal for the year, 1935, to date, by sections, is: The Highlands, +0.5°; Red Sandstone Plain, −0.2°; Southern Interior, −0.3°; Sea Coast, +0.3°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 43 stations, was 1.67 inches, which was 1.98 inches below normal. The average total snowfall at 20 selected stations was 9.7 inches, which was 4.0 inch above normal. The greatest monthly precipitation was 4.10 inches, at Pleasantville, and the least, 0.75 inch at Culvers Lake. The greatest amount of precipitation in any 24 consecutive hours was 1.70 inches at Northfield on the 11th. The mean of the number of days on which 0.01 inch or more of precipitation fell was 9, or normal.

The precipitation accumulated departure from the normal for the year 1935, to date, by sections, is: The Highlands, —1.19 inches; Red Sandstone Plain, —9.40 inches; Southern Interior, +2.80 inches; Sea Coast, —3.41 inches.

WIND.

The prevailing wind direction was from the Northwest. The wind movement averaged 14 miles per hour, which was normal. The highest velocity, sustained for 5 consecutive minutes, was 43 miles per hour from the northeast at Atlantic City on the 29th and the same from the northwest at Sandy Hook on the 27th.

MISCELLANEOUS.

The per cent of possible sunshine was 44, or 8 percent below normal.

The mean atmospheric pressure, reduced to sea level, was 30.03 inches, which was 0.07 inch below normal. The highest reading was 30.75 inches at Ridgefield on the 7th, and the lowest 29.43 inches at Long Branch on the 20th.

The mean stage of the Delaware River at Phillipsburg was 4.0 feet, and the highest 9.2 feet on the 1st. At Trenton the mean stage was 3.3 feet, and the highest 6.0 feet on the 27th.

Dense fog was noted on the 8th, 9th and 15th at scattered points in the State. Sleet occurred on the 7th in the southeast portion of the State, and on the 8th at Elizabeth.

OF THE
1 1 1936

COMPARATIVE DATA FOR DECEMBER

Year	Temperature				Precipitation					No. of days			
	Mean	Departure	Highest	Lowest	Average	Departure	Greatest monthly	Least monthly	Aveeage snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	+1.6	60	6	3.15	−0.50	4.33	2.47	......	....	....	....	....
1886	29.1	−4.6	60	−2	3.51	−0.14	4.65	1.62	......	....	....	....	....
1887	33.7	0.0	62	6	5.29	+1.64	7.32	3.64	......	10	....	....	....
1888	34.9	+1.2	65	5	3.69	+0.04	4.95	2.05	......	8	....	....	....
1889	**41.5**	+7.8	71	8	1.62	−2.03	3.69	**0.25**	......	9	....	....	....
1890	30.9	−2.8	56	3	3.89	+0.24	5.74	2.34	......	8	11	10	10
1891	40.9	+7.2	71	9	4.25	+0.60	5.32	2.25	......	8	13	9	9
1892	30.4	−3.3	68	1	1.87	−1.78	3.09	1.30	......	6	9	11	11
1893	34.9	+1.2	70	5	3.39	−0.26	4.66	1.67	......	11	11	10	10
1894	34.8	+1.1	66	−3	4.36	+0.71	6.39	1.64	......	9	12	9	10
1895	37.2	+3.5	70	3	2.61	−1.04	5.42	1.71	0.4	6	11	9	11
1896	31.3	−2.4	64	−15	**1.48**	−2.17	2.70	0.85	10.7	4	14	9	8
1897	35.1	+1.4	69	−3	4.90	+1.25	6.44	3.07	3.4	11	8	11	12
1898	33.3	−0.4	66	−2	3.53	−0.12	4.85	2.38	2.0	9	12	10	9
1899	35.5	+1.8	69	−1	2.11	−1.54	4.30	1.29	0.5	7	14	10	7
1900	34.4	+0.7	64	−2	2.59	−1.06	3.97	1.47	4.1	6	14	10	7
1901	32.6	−1.1	68	−8	**7.30**	+3.65	**9.45**	4.87	2.1	11	12	9	10
1902	31.7	−2.0	62	−11	7.23	+3.58	8.99	5.81	9.1	13	13	7	11
1903	28.6	−5.1	56	−13	4.08	+0.43	5.49	3.20	9.2	9	14	9	8
1904	27.0	−6.7	60	−15	3.19	−0.46	5.38	2.06	**21.1**	12	10	7	14
1905	36.3	+2.6	61	5	3.65	0.00	5.60	2.58	1.5	7	14	8	9
1906	33.0	−0.7	70	−5	3.99	+0.34	6.18	2.70	1.4	13	9	8	14
1907	36.6	+2.9	70	−3	4.91	+1.26	7.13	3.55	5.9	9	12	8	11
1908	34.0	+0.3	**72**	1	3.63	−0.02	5.26	2.10	7.8	11	10	8	13
1909	29.8	−3.9	60	−15	4.45	+0.80	5.51	3.55	12.6	5	14	8	9
1910	26.5	−7.2	58	−14	2.79	−0.86	4.60	1.92	11.3	9	11	10	10
1911	38.4	+4.7	70	2	3.77	+0.12	5.09	2.94	5.6	11	10	7	14
1912	36.9	+3.2	68	−1	4.73	+1.08	6.33	3.40	11.0	9	12	9	10
1913	37.7	+4.0	63	−11	3.03	−0.62	4.59	1.47	0.8	7	13	0	9
1914	31.1	−2.6	66	−9	5.86	+2.21	9.12	2.99	2.4	12	10	6	15
1915	31.9	−1.8	64	3	4.82	+1.17	7.83	2.19	13.6	8	12	9	10
1916	32.3	−1.4	70	−8	4.61	+0.96	6.34	3.35	12.6	11	13	8	10
1917	**24.8**	−8.9	54	**−21**	3.18	−0.47	5.46	1.55	11.5	8	13	7	11
1918	37.5	+3.8	66	9	3.92	+0.27	4.94	3.21	0.5	10	12	7	12
1919	28.8	−4.9	67	−18	2.98	−0.67	5.14	1.84	6.8	12	10	8	13
1920	36.4	+2.7	69	7	5.10	+1.45	6.63	2.86	1.0	8	11	8	12
1921	32.3	−1.4	64	−4	2.37	−1.28	3.23	1.62	6.2	9	13	8	10
1922	32.5	−1.2	65	−8	3.86	+0.21	5.26	3.09	7.3	12	9	9	13
1923	40.8	+7.1	69	9	4.14	+0.49	5.14	2.44	2.6	12	13	7	11
1924	32.8	−0.9	68	−4	2.58	−1.07	3.42	1.85	0.4	8	10	8	13
1925	34.0	+0.3	61	−5	2.84	−0.81	4.58	1.08	0.6	10	13	7	11
1926	28.4	−5.3	52	−7	3.44	−0.21	4.74	1.67	8.2	11	11	7	13
1927	35.3	+1.6	70	2	4.54	+0.89	5.76	2.80	T.	12	13	6	12
1928	36.3	+2.6	63	3	1.64	−2.01	4.63	0.69	2.7	8	15	5	11
1929	33.8	+0.1	68	2	3.01	−0.64	4.34	1.00	4.1	10	11	6	14
1930	33.0	−0.7	60	−5	2.67	−0.98	3.92	1.58	5.2	8	10	7	14
1931	39.6	+5.9	72	7	2.27	−1.38	3.24	1.57	0.4	9	13	5	13
1932	36.0	+2.3	69	−6	3.08	−0.57	4.72	1.52	10.1	13	12	6	13
1933	31.8	−1.9	**72**	−18	3.19	−0.46	5.77	2.12	7.4	12	12	5	14
1934	33.2	−0.5	69	−3	2.90	−0.75	4.11	1.89	0.1	8	14	7	10
1935	28.9	−4.8	60	−14	1.67	−1.98	4.10	0.73	9.7	9	10	8	13
Period	33.7	....	72	−21	3.65	....	9.45	0.25	5.7	9	12	9	10

W. B. O. Philadelphia-1-30-36-900

Climatological Data for December, 1935

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	26.8^{a}	−4.0	54	9	2	29	29	1.68	−2.23	0.70	10.5	8	11	9	11		Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	43	26.6	−3.5	54	9	0	29	27	1.46	−2.54	0.55	7.9	10	15	1	15	n.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	34					0	29†		0.75	−2.59	0.35	8.0	5	15	11	5	w.	Brice E. Riker.
Dover	Morris	600	51	26.4	−3.7	53	9	3	29	24	1.50	−2.68	0.56	7.5	10	2	17	12		William C. Harris
Layton	Sussex	480	34	24.9	−3.2	54	9	0	29	29	1.55	−1.82	0.45	8.5	9	5	8	18	nw.	A. M. Depue.
Long Valley	Morris	520	5																	S. N .Dilts.
Newton	Sussex	769	52	25.1	−5.1	52	9	0	29	25	2.42	−0.99	1.35	11.5	9	5	8	18	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§52	28.7^{b}	−2.8	53	9	5	29	19	2.20	−1.23	0.83	8.0	10	7	8	16		Town Engineer.
Sussex	Sussex	442	40	26.8^{a}	−3.1	51	9	0	29	25	1.17	−1.80	0.44	5.2	5	14	6	11		A. J. W. Mowatt
Means and extremes				26.5	−3.6	54	9	0	29	29	1.59	−1.98	1.35	8.4	8	9	9	13	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§45	28.0	−1.3	55	9	3	29	33	0.73	−2.97	0.43		8	13	1	17	nw.	John Kline.
Canoe Brook	Essex	173	5	26.1		56	9	−12	31	44	1.21		0.52		6	12	9	10	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	31								1.97	−2.20	0.68	12.0	11	10	8	13		Paul Molitor. Sr.
Elizabeth	Union	45	56	29.7	−3.9	57	9	1	31	31	1.26	−2.66	0.56	6.0	11	14	5	12	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§49	29.4	−3.1	58	9	5	31	33	1.49	−2.17	0.44	6.4	10	18	5	8	w.	Hiram E. Deats.
Jersey City	Hudson	10	37	30.3	−4.2	56	9	8	29	20	1.24	−2.41	0.38	7.9	10	7	11	13	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	48	27.4	−6.1	55	9	3	29	24	1.56	−2.14	0.45	9.9	10	10	7	14	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§32	28.7	−3.7	57	9	−1	31	32	1.23	−2.71	0.51	7.7	10	13	7	11	w.	Passaic Valley Water Co
Newark	Essex	30		29.3	−4.1	57	9	7	29	22	1.06	−2.81	0.44		11	8	9	14		U. S. Weather Bureau.
New Brunswick	Middlesex	110	82	28.6	−4.8	55	9	5	29	23	1.45	−2.09	0.49	8.2	8	12	8	11	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	17								0.88	−2.12	0.42		8					Hackensack Water Co
Paterson	Passaic	180	65																	J. R. Cahill, Evening News.
Plainfield	Union	120	47	29.1	−3.7	56	9	7	29	23	1.45	−2.42	0.52	8.8	13	15	6	10	nw.	S. K .Pearson.
Ridgefield	Bergen	80	18	28.0	−3.3	55	9	5	29	23	1.24	−2.57	0.30	9.7	13	8	10	13	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	52	28.0	−4.5	56	9	3	29	25	1.44	−2.27	0.38	7.5	12	16	2	13	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	17								0.97	−2.02	0.51		9					Hackensack Water Co.
New York, N. Y.		314	65	30.6	−4.4	56	9	8	29	21	1.22	−2.40	0.38	7.6	11	9	8	14	nw.	U. S. Weather Bureau
Means and extremes				28.6	−3.9	58	9	−12	31	44	1.28	−2.40	0.68	8.4	10	12	7	12	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	41	30.4	−4.7	60	9	−2	29	30	3.47	−0.53	0.95	14.7	9	9	7	15	nw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	52	29.7	−6.4	58	9	7	26†	29	2.93	−0.77	1.06	16.2	8	7	8	16	nw.	Bennett K. Matlack
Burlington	Burlington	12	§49	32.0	−2.9	57	9	7	29	38	1.41	−2.54	0.42	6.9	10	12	6	13	nw.	Public Service G. & E. Co.
Camden	Camden	20	3	30.3		59	9	9	29	19	1.12		0.26	9.1	10	4	9	18	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶31	28.8		56	9	4	29	24	2.04	−1.68	1.15	11.0	9	15	6	10	nw.	Moreau Plant Co.
Hammonton	Atlantic	95	§29	30.6		59	9	2	29	25	2.37	−1.61	0.47	10.5	9	7	12	12	nw.	J. G. Wilson.
Hightstown	Mercer	110	42	28.7	−4.2	56	9	5	29†	22	1.26	−2.28	0.30	8.2	11	10	11	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	46	30.2	−3.8	59	9	1	29	23	1.85	−2.26	0.85	13.5	9	7	14	10	ne.	James M. Armstrong.
Lakewood	Ocean	54	31	29.8	−4.1	56	9	6	29	24	1.46	−2.73	0.45	10.0	10	12	5	14	nw.	R. W. Holman.
Maple Shade	Burlington	65		30.5		58	9	8	29	21	1.49		0.46	8.1	10	4	9	18	nw.	Richard J. Smith.
Moorestown	Burlington	62	72	29.7	−4.0	57	9	7	29	26	1.43	−2.34	0.60	7.9	8	4	15	12	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	28								3.37	−0.40	1.70	14.4	9					William L. Flick.
Pemberton	Burlington	55	5	30.4		58	9	7	29	25	1.37		0.48	11.0	11	13	4	14	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§37	30.4^{a}		60	10	4	29	32	4.10	+0.17	1.64		10	16	6	9		N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	12	28.2		57	9	−14	31	44	1.36	−1.98	0.52		5	10	15	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	190	63	29.3	−5.1	56	9	8	29	21	1.40	−1.95	0.49	6.9	11	7	11	13	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10								1.51		0.55	9.9	8					Edward H. Ristow.
Tuckerton	Ocean	23	42																	John H. Brown.
Philadelphia, Pa		114	64	31.5	−4.8	59	9	9	26	16	1.55	−1.88	0.70	8.6	12	6	9	16	nw.	U. S. Weather Bureau.
Means and extremes				29.9	−4.4	60	9†	−14	31	44	2.35	−1.61	1.70	10.6	9	9	9	13	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	52	62	32.4	−4.0	60	9	9	29	23	3.38	−0.56	1.45	17.5	11	3	7	21	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	27	29.0	−5.2	56	9	6	29	22	1.44	−2.71	0.42	8.9	11	6	8	17	w.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	22	37	30.8	−4.4	51	9	12	29	19	1.16	−2.88	0.44	6.8	13	11	3	17	nw.	U. S. Weather Bureau.
Means and extremes				30.7	−4.5	60	9	6	29	23	1.99	−2.05	1.45	11.1	12	7	6	18	w.	
For the State				28.9	−4.8	60	9†	−14	31	44	1.67	−1.98	1.70	9.7	9	10	8	13	nw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for December, 1935

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.08							.03		T.				T.	.59	.07						T.	.02			.14			.05	.70		1.68
Charlotteburg	Passaic	.05			.01					.11					.03	.15	.37	T.			.07			.03			.09				.55		1.46
Culvers Lake	Delaware	.13				T.									.03	.04	T.	T.			T.			.20							.35		0.75
Dover	Passaic	.05							.05	.07	.04				.03	.46	.10		T.		T.			.05			.15			T	.50		1.50
Layton	Delaware	.20								.14					.13	.37	.08				.20			.05			.16				.22		1.55
Long Valley	Morris																																
Newton	Delaware	.10				T.		T.		.06		T			.02	1.35	.16		T.		.02			.08			.13				.50		2.42
Phillipsburg	...do	T.		T.				T.	.15	.24	T.	T.		.04	.13	.43	T.	T.	T.	T.	T.		T.	.12		.13	.13			.76	.07		2.20
Sussex	Hudson	.21								.21						.37	.07			T.				T.							.31		1.17
The Red Sandstone Plain.																																	
Boonton‖	Passaic		.02		T					.08		.02			.01	T.	.43							.01			.08				.08		0.73
Canoe Brook‖	Essex	T.	T.		T.					.17					.05	T.	.52		T.		T.	T.		.05			.11				.31	T.	1.21
Chatham‖	...do		.01		.02					.18	T.	.07				T.	.60	.01	T.	T.	T.	.02		.05			.14				.68	.19	1.97
Elizabeth	Coast	.03			T.				.04	.20		.01			.03	.30	.26		T.		T.			.03			.11			.03	.22		1.26
Flemington	Raritan	.02							.12	.24	T.	.05		T.	.07	.22	.21	T.	T.		T.			.03			.09			T.	.44		1.49
Jersey City	Coast	.02		T.	T.				.10	.13	T.	T.		T.	T.	.30	.07	T.	T.		.04			.04			.16			.06	.32		1.24
Lambertville	Delaware	.02			T.				.14	.20				T	.18	.31	.05		T.		T.			.05			.16			.15	.30		1.56
Little Falls.‖	Passaic		.03							.13		.02			.01		.51				.02			.05			.09				.36	.01	1.23
Newark***	Coast	.02	T.	T.	T.				.05	.13	.01	T.		T.	T.	.44	T.		T.	T.	T.		.04	.08		.05	.05			.05	.14		1.06
New Brunswick	Raritan	T.			T.				.06	.18						.13	.31	T.	T.	T.	T.			.04			.20			.04	.49		1.45
New Milford‖	Hackensack		.06							.10	.03	.02					.42							.01			.12				.12		0.88
Paterson	Passaic																																
Plainfield	Raritan	.04			.02				.10	.10	.01				.04	.52		T.	T.		.01			.04		.01	.14			*	.42		1.45
Ridgefield**	Hackensack	.07		T.					.07	.04		.01		T.	T.	.18	.28		T.	T.	.05		*	.05		.04	.15			*	.30		1.24
Somerville	Raritan	.03		T					.04	.20	T.	.09			.09	.22	.17		.01		T.			.06			.15			.01	.37		1.44
Woodcliff Lake‖	Hackensack		.05							.14	.03	.02					.51				.02			.02			.10				.08		0.97
New York, N. Y***	Coast	.02		T.	T.				.09	.13	T.	T.		T.	T	.37	.01		T.		.04		T.	.04		.02	.13			.18	.19		1.22
The Southern Interior.																																	
Belleplain	Tuckahoe								.25	.06		.95		T.	T.	.15		.59						.70	T.		.10			.22	.45		3.47
Bridgeton	Delaware							.14	.09		1.06	T				.17	T.						.25			.40				.70	.12		2.93
Burlington	Delaware	T		T.					.08	.13		.18		T	.07	.16	.10	T.	T.	T.	T.		.04				.20			.03	.42		1.41
Camden**	..do	T.						T.	.15	T.	T.	.24		T	.02	.17		T.		T			.04	.02		.05	.03			.26	.14		1.12
Freehold	Raritan	T.			T.				.11	.16		.05		T.	.02	.18	.21		T.		T.			.05			.11				1.15		2.04
Hammonton	Mullica	T.						T.	.30	.09	T.	.47		T.		.16	.05	T.	T.	T.	T.	T		.19			.35			.34	.42		2.37
Hightstown	Raritan	.01			T				.09	.18		.04		T.	.01	.20	.18	T.	T.	T.	T.			.06			.10			.03	.36		1.26
Indian Mills	Mullica	.04							.18	.07		.28			T.		.24							.09			.10			.04	.81		1.85
Lakewood	Metedeconk	.02			T.				.05	.15	T.	.06		T	T.	.17	.16	T	T.		T.			.08			.18			.14	.45		1.46
Maple Shade	Delaware	T.			T.			T.	.12	.09	T	.24		T	.05	.15	.05	T.	T.	T	T.	T.		.08			.15			.10	.46		1.49
Moorestown‖	....do							.04	.16		.21			.03		.21		T.					.09			.09				.60	T.		1.43
Northfield	Coast	T.							.15	.01		1.70		T.		.10	.05							.36			.33			.22	.45		3.37
Pemberton	Delaware	.02			T				.11	.06	T.	.17		T.		.15	.09	T.	T.			.03		.10			.16			.12	.36		1.37
Pleasantville‖	Coast				T.	T			.05	.21		1.50	.14		.01	T.	.17							.45	T.		.32				1.05	.20	4.10
Runyon	Coast								.09	.22							.41										.12			T.	.52		1.36
Trenton***	Delaware	T.		T.	T.			T.	.13	.11	T.	.09		T.	.04	.29	T	T.	T.	T.	T.	T.	.04	.05		.08	.08			.34	.15		1.40
Trenton No. 2‖	....do	T.	T.		T.				T.	.29		.11			.05	T.	.32	T.	T.	T.	T.	T		.06			.13				.54		1.51
Tuckerton	Coast																																
Phila., Pa***	Delaware	T.		T.	T.			T.	.09	.04	T.	.25		.01	.03	.21		T.		T.	T.	T.	.06	.02	T.	.07	.07			.60	.10		1.55
The Sea Coast.																																	
Atlantic City***	Coast	T.			T.				.15	.02	T.	1.45		T.	.02	.14		T.	T.	T.	T.		.07	.27	T.	.11	.21			.57	.37		3.38
Long Branch**	....do	T.		.01	T.				.15	.07	T.	.01		T.		.42		T	T.	T.	T.		.02	.07		.04	.11			.20	.34		1.44
Sandy Hook***	....do	.02		.01	T.				.11	.09	T.	T.		T.		.39			.01	T	.01		.01	.02		.03	.02			.24	.20		1.16

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.04	30.72	7	29.49	20	16.6	43	ne.	29	76	63	67	36
Long Branch	30.04	30.73	7	29.43	20	14.5	38	e.	13	72	59	62	47
New York, N. Y	30.01	30.74	7	29.45	20	16.2	51	nw.	4	70	60	61	50
Philadelphia, Pa	30.06	30.74	7	29.54	20	12.9	35	nw.	4	67	56	61	39
Ridgefield	30.01	30.75	7	29.46	20								
Sandy Hook	30.02	30.70	7	29.48	20	17.9	43	nw.	27	76	69	71	46
Trenton	30.04	30.74	7	29.52	20	10.4	32	nw.	4	77	63	68	46

Daily Temperatures for December, 1935

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	38	40	35	32	35	35	32	38	54	48	47	44	39	38	40	40	37	32	....	35	26	27	25	26	31	29	26	24	17	28	29	34.2[a]
	Minimum	23	24	21	13	12	17	13	28	25	28	36	26	24	32	37	35	31	23	....	23	13	10	13	12	12	9	11	14	2	8	4	19.3[a]
Charlotteburg	Maximum	37	38	35	31	35	32	35	43	54	51	45	48	40	41	42	42	38	36	40	37	22	28	27	28	28	25	28	20	15	28	28	34.7
	Minimum	23	24	19	11	8	12	13	31	34	24	34	25	24	32	33	34	26	18	20	23	10	10	12	10	12	14	11	12	0	8	10	18.6
Dover	Maximum	34	38	36	25	35	30	34	41	53	47	45	43	39	39	46	41	36	34	40	33	22	27	25	26	29	25	25	22	15	24	29	33.5
	Minimum	25	25	21	11	11	14	12	24	35	30	32	27	25	33	34	30	23	20	29	19	12	11	15	13	12	13	13	7	3	10	10	19.3
Layton	Maximum	34	36	37	30	36	30	30	41	54	47	46	46	37	37	38	40	35	37	39	34	24	28	28	25	29	21	24	21	10	23	29	33.1
	Minimum	22	20	14	9	7	10	6	30	33	27	34	23	21	31	33	30	24	13	27	22	10	9	13	4	10	9	9	7	0	9	1	16.7
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	34	37	34	29	33	28	30	38	52	47	46	42	35	37	37	38	34	34	34	33	21	23	23	24	27	25	23	20	11	24	30	31.7
	Minimum	24	24	17	9	8	12	11	28	33	34	35	26	25	30	32	30	22	18	28	19	19	10	12	11	12	11	11	10	0	6	8	18.5
Phillipsburg	Maximum	36	38	40	34	35	34	34	39	53	43	48	43	42	39	41	42	37	35	42	34	23	27	25	27	31	26	26	23	14	....	....	34.9[b]
	Minimum	29	26	30	16	16	20	16	32	35	29	37	28	30	35	37	35	26	25	32	20	16	13	22	15	15	10	15	12	5	10	9	22.5
Sussex	Maximum	35	37	35	31	34	33	32	39	51	46	44	45	38	38	39	40	34	35	38	38	25	30	23	25	28	26	23	20	...	26	29	33.9[a]
	Minimum	26	25	17	12	9	14	11	29	34	29	35	25	26	32	34	32	28	19	29	23	12	10	14	13	13	12	11	15	0	12	7	19.6
The Red Sandstone Plain.																																	
Boonton§§	Maximum	35	40	37	24	36	31	45	40	55	45	47	43	35	40	41	41	36	35	41	34	34	27	28	37	29	26	26	30	16	25	35	35.3
	Minimum	27	24	23	19	12	17	12	15	35	28	30	26	25	31	35	35	29	23	26	29	15	13	14	16	15	16	16	17	3	5	10	20.7
Canoe Brook§§	Maximum	35	40	32	28	37	33	36	39	56	47	48	45	40	40	41	42	40	36	43	34	33	30	27	29	31	25	27	26	19	21	32	35.2
	Minimum	22	20	20	18	8	16	8	16	34	21	20	19	20	31	34	35	26	20	25	26	13	9	15	8	8	16	11	14	−1	6	−12	17.0
Elizabeth	Maximum	37	41	38	33	38	34	36	40	57	50	47	44	43	41	45	44	42	36	46	38	32	30	29	31	32	32	27	27	22	28	32	37.2
	Minimum	26	25	23	16	13	19	16	32	38	29	40	27	32	36	37	37	28	21	31	26	15	11	18	15	10	18	13	16	6	12	1	22.2
Flemington	Maximum	38	42	40	33	39	37	36	39	58	46	48	45	40	40	41	41	40	37	45	35	29	34	27	33	37	29	30	28	18	25	38	37.0
	Minimum	27	27	22	17	13	21	15	31	36	28	35	30	29	35	36	37	27	24	30	28	15	13	14	14	13	10	14	15	6	11	5	21.9
Jersey City	Maximum	37	42	39	32	37	34	37	42	56	49	48	43	42	42	43	44	38	36	42	35	24	29	28	30	31	26	29	26	22	25	31	36.1
	Minimum	30	30	24	14	17	20	19	35	41	37	36	33	36	38	38	35	27	25	33	25	15	16	17	18	16	17	17	13	8	14	14	24.5
Lambertville	Maximum	36	38	35	21	36	35	36	38	55	50	48	50	46	44	41	40	36	42	36	30	28	30	27	24	32	20	24	22	15	23	29	34.4
	Minimum	30	25	19	16	12	16	20	30	38	30	30	28	30	33	35	36	22	24	20	16	14	12	14	13	11	10	13	12	3	10	9	20.4
Little Falls§§	Maximum	35	41	37	31	37	34	45	41	57	48	42	44	40	40	42	42	42	37	43	36	34	31	27	38	31	26	29	30	21	25	34	36.8
	Minimum	28	24	22	17	12	17	13	20	35	28	32	26	26	32	35	36	29	22	26	28	14	12	14	16	15	18	15	17	4	7	−1	20.6
Newark	Maximum	36	40	37	32	37	32	36	40	57	47	47	43	42	41	43	43	37	35	42	35	28	30	27	28	31	25	26	24	14	26	30	35.0
	Minimum	29	30	24	23	15	20	18	32	39	34	38	32	31	36	35	34	26	25	33	22	15	14	17	17	15	15	17	11	7	14	13	23.6
New Brunswick	Maximum	37	39	35	32	36	33	35	39	55	48	47	45	43	40	43	42	37	33	40	35	27	28	27	27	30	27	26	24	22	25	28	35.0
	Minimum	27	27	21	16	13	20	14	32	38	30	40	26	30	35	36	37	26	23	30	27	15	12	17	15	13	12	12	15	5	11	9	22.1
Paterson	Maximum	35	42	39	32	38	....	....	....	....	....	....	....	....	....	41	42	38	37	42	39	28	28	27	28	30	27	25	23	19	25	30	......
	Minimum	29	29	23	15	14	....	....	....	....	....	....	....	....	....	35	37	29	23	31	26	15	14	16	17	15	19	15	18	5	11	13	......
Plainfield	Maximum	37	42	38	31	36	34	35	41	56	45	49	44	41	40	41	44	39	35	42	34	26	29	28	30	31	25	30	25	15	25	31	35.5
	Minimum	27	29	23	14	13	20	15	31	40	30	36	28	30	35	36	38	28	24	30	25	14	12	18	16	13	17	15	14	7	15	12	22.7
Ridgefield	Maximum	34	40	35	31	37	31	35	40	55	46	45	42	41	40	43	43	37	34	38	34	23	26	26	26	29	26	25	23	15	25	27	33.9
	Minimum	28	28	22	13	14	18	16	34	39	33	34	29	29	36	36	32	26	23	31	22	15	14	16	16	14	15	15	9	5	12	9	22.0
Somerville	Maximum	38	40	36	31	36	34	35	38	56	47	49	44	43	39	40	40	38	33	41	35	27	30	26	38	31	24	26	22	20	26	31	35.3
	Minimum	23	26	15	16	11	18	15	31	36	33	38	28	27	33	35	36	26	20	30	26	13	9	16	13	10	11	11	15	3	10	10	20.8
New York, N. Y.	Maximum	37	41	39	32	38	34	38	42	56	50	47	43	45	44	46	44	38	37	43	36	23	29	28	30	31	27	27	26	22	25	31	36.4
	Minimum	31	30	24	14	17	20	20	36	41	39	36	34	37	39	38	34	26	26	34	22	15	16	18	19	17	16	17	13	8	14	14	24.7
The Southern Interior.																																	
Belleplain	Maximum	45	42	36	35	40	37	41	47	60	52	48	44	48	47	49	49	41	45	42	39	32	27	27	27	32	29	27	26	24	26	29	38.5
	Minimum	31	24	18	21	10	18	15	32	45	27	37	27	32	40	38	38	32	26	33	28	16	10	15	12	7	7	13	12	−2	16	9	22.2
Bridgeton	Maximum	43	38	35	28	39	38	40	52	58	49	45	43	46	44	47	44	38	43	42	36	33	27	27	28	30	21	27	25	20	27	30	36.8
	Minimum	26	24	25	15	25	18	25	38	29	35	27	33	40	40	38	31	27	35	28	17	12	15	20	13	6	7	14	7	11	9	12	22.6
Burlington	Maximum	42	44	37	37	37	36	35	41	57	55	46	44	45	43	50	46	46	37	42	44	48	29	31	34	32	47	36	37	29	30	31	40.3
	Minimum	28	28	22	19	13	24	16	32	39	30	38	29	32	37	37	39	33	27	32	29	14	16	15	19	12	9	17	18	7	13	13	23.8
Camden	Maximum	39	39	38	34	37	35	36	42	59	48	47	42	45	41	44	43	40	44	44	35	24	26	28	28	33	24	27	26	14	25	27	35.9
	Minimum	32	30	23	20	20	24	18	37	41	34	36	30	33	38	38	36	32	28	34	22	18	16	18	18	14	10	17	13	9	14	13	24.7
Freehold	Maximum	35	39	36	30	37	33	38	41	56	49	46	41	43	41	46	46	38	35	42	34	28	26	26	26	28	27	25	26	17	23	26	35.0
	Minimum	28	26	21	16	13	21	14	33	40	31	38	26	31	36	37	37	32	23	31	28	15	12	17	16	13	13	13	16	4	13	5	22.5
Hammonton	Maximum	42	40	37	34	39	35	39	45	59	52	48	44	47	45	48	48	40	44	43	41	30	28	28	28	32	28	26	25	20	26	27	37.7
	Minimum	27	25	21	21	14	24	16	34	45	30	39	27	31	41	39	39	30	25	34	28	18	11	18	17	10	10	12	12	2	16	10	23.4
Hightstown	Maximum	37	39	36	32	36	34	35	40	56	51	47	44	43	41	43	45	39	36	42	35	29	28	27	26	29	27	25	24	18	25	27	35.4
	Minimum	27	25	22	18	14	21	14	32	38	31	38	24	29	36	36	38	30	24	31	28	16	12	15	14	11	11	11	15	5	12	5	22.0
Indian Mills	Maximum	40	41	38	37	39	35	39	46	59	56	50	46	45	45	48	49	42	40	44	40	33	28	30	25	28	28	26	29	21	24	19	37.7
	Minimum	22	21	24	18	18	20	19	38	44	37	37	26	32	39	38	38	29	25	33	27	18	9	18	17	9	5	10	13	1	13	9	22.8
Lakewood	Maximum	39	40	36	33	37	35	40	42	56	52	46	41	46	45	47	48	40	37	42	35	31	27	28	28	29	27	26	25	19	26	26	36.4
	Minimum	27	22	23	18	13	22	16	34	42	28	30	27	30	40	39	37	30	25	32	29	17	14	18	17	12	16	8	18	6	18	9	23.3
Maple Shade	Maximum	38	40	38	32	38	36	36	42	58	50	46	42	45	42	44	44	38	42	42	36	29	27	28	28	31	28	27	26	19	26	30	36.4
	Minimum	28	29	22	26	17	24	18	33	41	31	38	28	32	38	38	38	33	28	34	28	18	15	16	20	15	10	12	19	8	13	13	24.6
Moorestown	Maximum	39	39	37	34	37	35	39	46	57	48	46	43	46	42	44	43	38	41	42	35	25	26	27	27	30	23	26	25	21	25	28	35.9
	Minimum	29	30	24	17	18	25	18	20	38	34	35	29	32	36	38	35	31	29	34	24	19	15	15	16	14	8	17	18	7	10	12	23.5
Pemberton	Maximum	40	41	37	33	39	36	37	42	58	49	46	42	46	43	46	47	40	41	44	35	31	30	29	27	31	25	27	26	20	26	29	36.9
	Minimum	28	32	23	20	14	22	16	33	42	29	40	26	33	38	37	39	32	27	33	28	19	14	16	17	12	10	16	16	7	11	8	23.8
Pleasantville§§	Maximum	45	....	37	33	40	36	44	51	59	60	47	45	48	46	48	45	41	44	44	36	29	28	27	28	30	20	27	27	28	26	27	38.2[a]
	Minimum	27	26	21	23	12	24	17	19	39	29	31	28	30	44	39	39	31	24	27	28	18	12	14	15	11	15	9	14	4	15	11	22.5
Runyon	Maximum	40	44	38	26	39	36	36	40	57	52	52	55	44	44	50	48	38	35	36	34	30	34	30	31	35	30	25	26	22	22	30	37.4
	Minimum	28	17	22	13	10	19	6	36	37	32	22	18	27	35	40	27	26	22	22	18	14	10	18	16	14	16	13	13	2	14	−14	19.1
Trenton	Maximum	37	38	36	33	37	34	36	42	56	47	47	41	44	41	44	42	38	37	42	35	23	27	27	26	30	24	26	24	14	25	28	34.9
	Minimum	31	28	25	16	16	23	21	33	39	34	36	32	31	36	36	35	29	26	33	22	16	15	17	18	14	11	16	11	8	14	13	23.7
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philadelphia, Pa.	Maximum	40	40	36	35	37	37	36	46	59	49	48	43	46	41	46	44	38	42	42	36	25	26	28	28	31	25	27	26	16	27	31	36.5
	Minimum	32	30	29	21	21	27	26	36	46	38	38	37	35	38	39	36	32	30	33	21	18	16	20	21	17	9	17	14	11	16	17	26.5
The Sea Coast.																																	
Atlantic City	Maximum	45	41	38	35	39	38	43	49	60	50	46	43	48	46	49	45	39	44	44	36	26	28	27	28	31	27	26	27	32	32	29	38.4
	Minimum	33	28	25	20	20	26	24	43	43	41	36	32	43	42	40	35	30	29	35	23	18	16	22	17	16	12	16	13	9	20	15	26.5
Long Branch	Maximum	36	39	36	32	34	33	40	43	56	47	45	41	44	41	47	45	37	34	40	34	23	25	26	26	28	26	24	24	23	25	26	34.8
	Minimum	28	27	24	15	14	22	18	36	39	33	37	30	39	39	39	32	26	23	31	22	16	13	19	16	14	15	15	10	6	14	8	23.2
Sandy Hook	Maximum	38	41	37	34	37	32	37	43	51	46	45	42	44	41	46	44	38	36	41	35	23	27	27	28	29	26	27	25	20	26	28	35.3
	Minimum	31	32	26	16	18	21	26	36	42	39	40	38	37	38	39	35	28	26	35	23	16	16	22	20	19	19	19	13	12	20	17	26.4

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pleasantville**	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Runyon	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION,

H. O. GEREN.
TRENTON, N. J.

VOL. XL. ANNUAL SUMMARY, 1935. No. 13.

GENERAL SUMMARY.

Both the annual mean temperature and the average precipitation were a little below the normal. However, the average snowfall for the calendar year was the greatest since 1923. The last killing frosts of Spring were recorded mostly on April 16th, 17th and 19th, except in the most northern districts where they occurred generally on May 24th and 25th. The first killing of Autumn came to a few stations on September 24th and to many on October 5th and 8th; the remaining few occurred on October 17th and November 25th.

The opening month was without special feature until the night of the 22d when a severe blizzard set in and raged during all of the next day. It required several days to clear the roads of the twelve to eighteen-inch snowfall that had been badly drifted by the high winds. February averaged nearly normal in temperature and quite in contrast with the same month of last year with its record breaking cold weather. The snow cover remained throughout the month over the northern portion of the State and nearly so over the southern part. There was a tendency toward dryness and this became more marked during March when the amount of precipitation was only about two-thirds of the normal. There was abnormally warm weather also, and this combination was favorable to a good start on the Spring work which was well under way by the close of the month. April was cloudy but relatively dry with only about two-thirds of the normal amount of rainfall. Most of the month was cold, the last decade experiencing a turn to warmer weather and with rapidly developing vegetation. Forest fires became menacing during the last few days. May was featured by cold and dry weather. Some losses from killing frost occurred while the increasing dryness of the soil became quite serious by the end of the month. The rainfall averaged less than half of the normal amount and destructive forest fires occurred during the 18-19th. June was uneventful and favorable in that the rainfall was greater than usual. July was marked by a wide variation in the geographical distribution of rainfall. The most northern part had abundant amounts while the southern part and seacoast sections were very scantily supplied. Moisture was more evenly distributed in August in that it was drier in the north but at that the averages for the State were only about half of the normal. Rains in excessive amounts fell during the first week in September, the 2d to 6th, inclusive; during the remainder of the month very little occurred. During the period from the 4-6th, in the north portion, the amounts ranged between four and six inches, and between six and fourteen inches in the southern districts. October was devoid of any outstanding feature while November was warm and wet, the November average temperature being the fifth highest for that month in the fifty-one years of record. The temperature took an opposite turn in December, the average being the sixth lowest on record for December. The average precipitation was about one-half the normal.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Average precipitation	Average snowfall	Year	Temperature			Average precipitation	Average snowfall
	Mean	Highest	Lowest				Mean	Highest	Lowest		
1885	50.4	100	−2	37.87	......	1912	51.3	100	−32	46.61	35.1
1886	50.8	98	−10	46.54	......	1913	54.0	100	−11	46.99	5.2
1887	51.3	102	−6	47.66	......	1914	51.2	99	−12	39.23	41.1
1888	50.2	99	−12	52.20	......	1915	52.4	98	−3	47.37	39.4
1889	52.8	95	−3	**63.33**	......	1916	51.0	100	−18	38.17	49.6
1890	53.1	101	0	49.34	......	1917	49.5	104	−21	40.80	40.4
1891	53.2	102	1	47.98	......	1918	51.6	108	−16	37.65	25.3
1892	51.5	105	−6	42.04	......	1919	52.6	103	−12	52.10	10.9
1893	50.7	103	−21	47.90	......	1920	51.2	98	−17	51.87	33.4
1894	53.0	106	−11	47.37	......	1921	54.2	100	−5	38.16	23.0
1895	51.5	**109**	−12	37.29	25.7	1922	52.6	98	−11	41.57	30.8
1896	52.1	105	−15	42.51	39.5	1923	51.9	106	−14	40.38	39.8
1897	52.0	102	−6	51.72	25.8	1924	50.6	102	−6	44.17	24.3
1898	53.1	107	−15	52.35	34.3	1925	52.2	103	−20	42.15	26.8
1899	52.1	103	−21	45.84	44.3	1926	50.0	105	−11	44.41	32.2
1900	53.8	104	−9	42.71	23.3	1927	52.0	99	−12	49.68	13.7
1901	51.3	107	−8	51.80	14.1	1928	52.0	99	−15	46.22	21.5
1902	51.9	100	−11	59.44	40.1	1929	52.3	102	−9	42.96	16.0
1903	51.7	100	−16	56.25	22.3	1930	52.7	105	−14	**35.28**	15.6
1904	**49.2**	100	**−34**	43.78	48.5	1931	**54.4**	102	−9	37.07	8.6
1905	51.2	102	−18	42.06	32.9	1932	53.4	100	−6	46.80	16.3
1906	52.7	98	−15	46.38	23.4	1933	52.9	105	−18	49.80	21.5
1907	50.3	96	−22	51.65	54.1	1934	51.6	103	−26	45.43	32.7
1908	52.6	106	−17	42.58	35.3	1935	51.6	101	−31	42.32	36.2
1909	51.9	100	−15	40.86	29.9						
1910	51.8	99	−15	39.73	33.3	Period	51.9	109	−34	45.49	29.0
1911	52.6	104	−12	50.36	30.0						

MONTHLY STATE DATA FOR 1935

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	28.2	−2.7	65	−26	4.00	+0.43	5.98	2.37	15.8	25.2
February	30.1	−0.6	64	−31	2.80	−0.81	4.01	1.74	6.8	14.5
March	43.0	+3.9	81	−6	2.46	−1.32	3.51	1.51	1.5	13.0
April	48.7	−0.1	91	22	2.27	−1.34	4.30	1.15	0.3	2.9
May	57.8	−2.6	95	27	1.71	−2.02	3.49	0.51	0.0	0
June	68.9	+0.1	96	38	4.64	+0.93	7.57	2.72	0.0	0
July	76.0	+2.3	101	40	4.66	−0.13	10.94	0.70	0.0	0
August	72.4	+0.6	98	36	2.57	−2.18	6.34	0.11	0.0	0
September	63.2	−2.7	89	27	6.09	+2.53	15.01	2.89	0.0	0
October	54.8	+0.1	84	16	4.50	+1.09	6.84	2.00	0.0	T.
November	47.8	+4.2	78	8	4.95	+1.77	7.34	2.83	2.1	6.5
December	28.9	−4.8	60	−14	1.67	−1.98	4.10	0.75	9.7	17.5
Year	51.6	−0.3	101	−31	42.32	−0.25	15.01	0.11	36.2	25.2

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
The Highlands and Kittatinny Valley			*The Southern Interior*		
Belvidere	Apr. 17*	Oct. 8			
Charlotteburg	May 25*	Sept. 17*			
Culvers Lake	Apr. 17*	Oct. 5*	Belleplain	Apr. 19*	Oct. 5*
Dover	do. 26	do. 3	Bridgeton	do. 16*	do. 16*
Layton	May 24	Sept. 24	Burlington	do. 5	do. 17
Long Valley	do. 25	do. 24*	Camden	do. 5*	do. 17*
Newton	Apr. 19*	Oct. 8	Freehold	do. 17	do. 5
Phillipsburg	do. 15	do. 8	Hammonton	do. 16*	do. 5
Sussex	May 24*	do. 5*	Hightstown	do. 17*	do. 5
The Red Sandstone Plain			Indian Mills	do. 17	do. 5
			Lakewood	do. 5	do. 17
			Maple Shade	do. 16	Nov. 25*
Boonton	Apr. 17*	Oct. 8*	Moorestown	do. 16*	Oct. 5
Canoe Brook	May 25*	Sept. 24*	Pemberton	do. 17*	do. 5
Elizabeth	Apr. 17*	Oct. 8	Pleasantville	do. 19*	do. 5*
Flemington	do. 17*	do. 8	Runyon	May 25*	Sept. 24
Jersey City	do. 17	Nov. 25*	Trenton	Apr. 5	Nov. 25*
Lambertville	do. 17*	Oct. 8	Tuckerton	do. 16*	....
Little Falls	do. 17*	do. 5			
Newark	do. 16*	do. 8*	*The Sea Coast*		
New Brunswick	do. 17*	do. 8			
Paterson	do. 17*	do. 8*			
Plainfield	do. 17*	do. 5	Atlantic City	Apr. 16*	Nov. 19
Ridgefield	do. 17*	do. 8*	Long Branch	do. 5	Oct. 8
Somerville	do. 17*	do. 5	Sandy Hook	do. 16*	Nov. 25

* No frost reported; temperature 32° or below.

Climatological Data for the Year 1935

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	44	52.0	97	July 6†	−8	Jan. 28	44	47.23	10.94	July	1.08	May	51.9	105	188	61	116	......
Charlotteburg	Passaic	719	43	49.9	101	do. 12	−15	Feb. 7	43	40.43	5.86	Nov.	1.03	do.	57.8	138	228	17	120	sw.
Culvers Lake	Sussex	848	......	......	......	....	−15	Jan. 30	34	36.78	6.80	June	0.11	Aug.	45.4	86	195	78	92	e.
Dover	Morris	600	51	49.4	93	July 12	−7	Feb. 1†	51	46.23	9.69	July	1.09	May	39.2	131	53	178	134	......
Layton	Sussex	480	34	47.8	95	July 12	−22	Feb. 1	34	44.53	6.71	July	1.48	Aug.	51.9	113	122	64	179	ne.
Long Valley	Morris	520	5	......	92	do. 5†	−14	do. 7	5	40.82	9.66	do.	0.77	May	......	......	......	......	......	w.
Newton	Sussex	769	52	......	93	do. 11†	......	....	49	43.38	9.34	do.	1.34	do.	......	......	......	......	......	......
Phillipsburg	Warren	363	44	51.3	96	do. 12	−4	Feb. 7	52	48.45	10.36	do.	0.91	do.	32.1	121	164	79	122	......
Sussex	Sussex	442	37	......	......	....	−15	do. 7	40	41.57	7.26	June	1.08	do.	44.8	......	......	......	......	......
Means and extremes	......	......	......	50.1	101	July 12	−22	Feb. 1	......	43.27	10.94	July	0.11	Aug.	46.2	116	159	80	126	sw.
The Red Sandstone Plain.																				
Boonton	Morris	400	27	......	......	....	−11	Jan. 28	45	32.85	4.76	July	0.73	Dec.	......	116	162	32	171	ne.
Canoe Brook	Essex	173	5	49.2	95	July 18	−25	do. 28	5	36.55	5.20	Sept.	1.14	May	......	107	166	100	99	nw.
Chatham	Morris	185	......	......	......	....	......	....	31	38.82	4.80	do.	0.82	do.	......	......	......	......	......	......
Elizabeth	Union	45	51	......	97	July 12	−9	Jan 28	56	35.30	4.75	do.	1.26	Dec.	34 4	124	211	48	106	ne.
Flemington	Hunterdon	140	38	52.6	97	do. 5	−14	Feb. 7	49	42.95	9.32	July	1.27	May	35.4	135	209	57	99	w.
Jersey City	Hudson	10	37	53.3	94	July 12	−1	Jan. 28	37	33.00	4.49	Sept.	1.24	Dec.	43.1	119	104	126	135	nw.
Lambertville	Hunterdon	430	48	50.9	93	Aug. 13	−9	do. 28	48	41.43	6.86	July	1.51	Aug.	44.3	144	162	82	121	sw.
Little Falls	Passaic	180	21	51.6	96	July 6†	−13	do. 28	32	34.40	4.66	Nov.	0.96	May	30.1	125	165	93	107	nw.
Newark	Essex	10	1	......	96	do. 12	......	....	1	30.53	4.17	Sept.	1.01	do.	......	......	......	......	......	......
New Brunswick	Middlesex	110	78	51.8	93	do. 6†	−14	Jan. 28	82	41.37	6.23	July	1.35	Aug.	56.2	130	176	98	91	sw.
New Milford	Bergen	40	......	......	......	....	......	....	17	34.82	5.48	July	0.88	Dec.	......	124	......	......	......	......
Paterson	Passaic	180	65	......	91	July 12†	−12	Jan. 28	65	30.14	4.46	June	0.71	May	......	......	......	......	......	w.
Plainfield	Union	120	44	52.2	96	do. 12	−8	do. 28	47	40.37	5.46	July	1.23	do.	49.4	130	123	118	124	sw.
Ridgefield	Bergen	80	18	51.4	94	do. 12†	−8	do. 28	18	34.57	4.91	do.	0.95	do.	50.1	133	143	102	120	nw.
Somerville	Somerset	385	49	......	94	do. 5	−12	do. 28	51	40.00	6.03	do.	1.44	Dec.	29.5	125	145	93	127	nw.
Woodcliff Lake	Bergen	100	......	......	......	....	......	....	17	31.86	4.16	do.	0.97	do.	......	123	......	......	......	......
New York, N. Y	......	314	65	52.6	91	July 12	0	Jan. 28	65	32.64	4.48	Sept.	1.22	Dec.	36.5	120	95	122	148	n.
Means and extremes	......	......	......	51.6	97	July 5†	−25	Jan. 28	......	36.18	9.32	July	0.71	May	39.2	126	161	86	118	nw.
The Southern Interior.																				
Belleplain	Cape May	30	40	......	95	Aug. 14	......	....	41	53.02	15.01	Sept.	1.51	Mar.	......	......	......	......	......	s.
Bridgeton	Cumberland	30	47	52.8	95	July 12†	−6	Jan. 27	52	49.85	10.53	do.	2.24	Apr.	42.2	118	220	37	108	sw.
Burlington	Burlington	12	23	53.7	99	do. 12	−10	do. 28	49	50.59	6.58	Nov.	1.41	Dec.	26.7	138	170	80	115	sw.
Camden	Camden	20	4	53.4	95	do. 12†	−7	do. 28	3	48.98	7.86	Sept.	1.12	do.	38.5	111	76	132	157	sw.
Freehold	Monmouth	194	4	51.9	95	Aug. 1	−14	do. 28	31	44.53	6.01	do.	2.04	do.	45.0	118	203	61	101	w.
Hammonton	Atlantic	110	3	......	95	July 11†	−5	Jan. 27	29	53.91	8.53	Sept.	2.37	Dec.	34.6	124	192	89	84	nw.
Hightstown	Mercer	110	39	52.3	96	do. 20	−16	do. 28	41	43.19	5.92	Oct.	1.26	do.	36.3	136	138	112	115	sw.
Indian Mills	Burlington	76	46	52.6	97	Aug. 14	−9	do. 25†	45	48.37	6.34	Aug.	1.85	do.	38.7	112	114	141	110	nw.
Lakewood	Ocean	54	31	52.3	96	July 19	−15	do. 25	31	45.68	6.31	Sept.	1.46	do.	39.5	126	156	67	142	nw.
Maple Shade	Burlington	55	1	......	96	Aug. 13	......	....	1	50.33	8.19	do.	1.49	do.	......	......	......	......	......	......
Moorestown	Burlington	62	72	52.3	94	Aug. 13	−9	Jan. 28	72	48.25	7.70	Sept.	1.43	Dec.	32.8	123	124	119	122	nw.
Northfield	Atlantic	25	......	......	......	....	......	....	28	54.83	12.77	do.	1.34	July	24.0	122	......	......	......	......
Pemberton	Burlington	60	5	53.3	97	Aug. 13	−16	Jan. 28	5	41.47	6.84	Oct.	1.37	Dec.	32.7	129	192	52	121	nw.
Pleasantville	Atlantic	11	12	52.1	94	do. 2	−5	do. 28	37	56.90	12.36	Sept.	2.43	July	......	125	212	48	105	s.
Runyon	Middlesex	18	11	50.9	97	July 12	−31	Feb. 1	12	40.68	6.21	Nov.	1.36	Dec.	......	97	192	95	78	w.
Trenton	Mercer	190	63	52.4	95	July 12	−2	Jan. 28	63	38.25	5.42	Sept.	1.40	Dec.	35.2	136	99	114	152	n.
Trenton No. 2	Mercer	105	......	......	......	....	......	....	7	45.58	6.05	do.	1.51	do.	47.5	130	......	......	......	......
Tuckerton	Ocean	23	37	......	......	....	−2	Jan. 28	42	46.20	9.09	do.	1.31	July	......	......	......	......	......	nw.
Philadelphia, Pa	......	114	64	54.4	95	July 20	3	Jan. 28	64	46.63	8.36	Sept.	1.55	Dec.	37.0	133	93	106	166	n.
Means and extremes	......	......	......	52.5	99	July 12	−31	Feb. 1	......	47.81	15.01	Sept.	1.12	Dec.	36.4	123	161	88	116	nw.
The Sea Coast.																				
Atlantic City	Atlantic	16	62	53.3	91	Aug. 2	1	Jan. 28	62	55.04	14.73	Sept.	0.70	July	25.6	127	67	120	178	s.
Long Branch	Monmouth	25	27	51.5	95	July 12†	−7	do. 28	27	41.70	6.34	do.	1.44	Dec.	44.2	132	101	115	149	nw.
Sandy Hook	Monmouth	22	37	52.4	93	do. 12	5	do. 28	37	32.16	4.29	do.	1.16	do.	34.1	131	125	86	154	sw.
Means and extremes	......	......	......	52.4	95	July 12†	−7	Jan. 28	......	42.97	14.73	Sept.	0.70	July	34.6	130	98	107	160	sw.
For the State	......	......	......	51.6	101	July 12	−31	Feb. 1	......	42.32	15.01	Sept.	0.11	Aug.	36.2	118	155	89	121	sw.

† Also on other dates.

W. B. O. Philadelphia-4-21-36-1050

Monthly and Annual Precipitation for the Year 1935, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	3.87	+0.11	2.56	−1.00	2.18	−1.51	1.51	−2.25	1.08	−2.46	4.52	+0.52	10.94	+6.40	2.78	−1.79	5.04	+1.30	5.38	+1.56	5.69	+2.50	1.68	−2.23	47.23	+1.15
Charlotteburg	4.56	+0.94	2.77	−0 92	2.45	−1.54	2.17	−2.15	1.03	−2.85	3.74	−0.72	3.63	−0.95	1.88	−2.62	5.16	+1.01	5.72	+1.31	5.86	+2.24	1.46	−2.54	40.43	−8.79
Culvers Lake	3.35	+3.31	2.10	−0.86	1.91	−1.41	1.15	−2.38	0.51	−3.32	6.80	+2.36	6.18	+1.40	0.11	−4.54	5.30	+1.28	4.59	+0.98	4.03	+0.93	0.75	−2.59	36.78	−7.84
Dover	3.20	−0.80	2.64	−1.13	2.83	−1.19	1.87	−2.19	1.09	- 2.54	5.37	+0.94	9.69	+4.48	2.55	−1.95	4.30	+0.22	5.68	+1.54	5.51	+1.96	1.50	−2.68	46.23	−3.34
Layton	3.46	+0.48	1.76	−1.23	2.08	−1.21	1.69	−1.80	2.15	−0.99	6.14	+1.61	6.71	+2.31	1.48	−2.61	5.06	+1.20	6.22	+2.47	6.23	+3.16	1.55	−1.82	44.53	+1.57
Long Valley	2.89	......	1.74	......	2.59	....	1.26	......	0.77	......	3.76	......	9.66	......	1.58	......	3.88	......	6.02	.....	5.01	.....	*1.66	......	40.82	......
Newton	*3.76	+0.38	2.16	−0.99	2.53	−0.86	1.44	−2.09	1.34	−2.27	3.97	− 0.51	9.34	+4.51	2.67	−1.68	5.23	+1.47	5.69	+2.04	2.83	−0.24	2.42	−0.99	43.38	−1.23
Phillipsburg	3.78	+0.40	2.94	−0.37	3.51	+0.17	1.87	−1.52	0.91	−2.40	4.83	+1.10	10.36	+5.88	2.60	−1.80	5.08	+1.59	5.11	+1.51	5.26	+2.43	2.20	−1.23	48.45	+5.76
Sussex	4.57	+1.60	3.02	+0.06	2.78	−0.37	1.43	−2.10	1.08	−2.35	7.26	+3.18	5.20	+1.38	1.66	−2.34	4.50	+0.93	5.25	+1.89	3.65	+0.83	1.17	−1.80	41.57	+0.91
The Red Sandstone Plain.																										
Boonton	2.37	−1.01	2.06	−1.24	1.71	−1.93	1.51	−2.39	1.00	−2.70	4.35	+0.39	4.76	+0.12	1.57	−3.12	4.11	+0.26	4.28	+0.37	4.40	+1.39	0.73	−2.97	32.85	−10.83
Canoe Brook	3.22	......	2.60	......	2.31	......	2.15	......	1.14	......	3.62	......	4.58	......	1.71	......	5.20	.....	4.70	......	4.11	......	1.21	......	36.55	....
Chatham	4.30	+0.33	2.93	−0.94	2.45	−1.59	2.26	−1.96	0.82	−3.10	3.73	−0.23	4.76	−0.18	1.80	−2.85	4.80	+0.58	4.46	+0.35	4.54	+1.10	1.97	−2.20	38.82	−10.69
Elizabeth	3.75	+0.05	2.93	−0.93	2.41	−1.55	1.75	−2.09	1.35	−2.29	3.89	+0.29	3.91	−0.81	1.72	−2.61	4.75	+1.14	3.94	−0.01	3.64	+0.72	1.26	−2.66	35.30	−10.75
Flemington	2.98	−0.49	2.88	−0.44	2.63	−1.03	2.22	−1.40	1.27	−2.25	3.78	+0.17	9.32	+4.47	2.24	−2.28	4.84	+1.20	4.70	+1.19	4.60	+1.65	1.49	−2.17	42.95	−1.38
Jersey City	4.11	+0.41	3.10	−0.83	2.60	−1.42	1.65	−2.10	1.32	−2.13	3.67	−0.11	3.58	−0.77	1.47	−2.86	4.49	+1.09	2.53	−1.57	3.24	+0.24	1.24	−2.41	33.00	−12.46
Lambertville	3.25	−0.21	2.55	−0.83	2.44	−1.35	2.12	−1.68	1.56	−2.10	5.20	+1.44	6.86	+2.22	1.51	−2.29	5.21	+1.85	4.73	+1.18	4.44	+1.44	1.56	−2.14	41.43	−2.47
Little Falls	3.45	−0.22	2.66	−1.14	2.51	−1.26	2.06	−2.10	0.96	−2.98	4.08	+0.06	3.58	−1.14	1.78	−3.18	4.07	+0.39	3.36	−0.23	4.66	+1.26	1.23	−2.71	34.40	−13.25
Newark	2.85	−0.93	2.50	−1.11	2.05	−1.85	1.48	−2.28	1.01	−3.05	3.49	−0.38	3.12	−1.71	2.15	−2.72	4.17	+0.44	3.68	−0.13	2.97	−0.46	1.06	−2.81	30.53	−16.99
New Brunswick	2.99	−0.41	2.83	−0.54	2.46	−1.10	2.26	−1.35	2.17	−1.49	3.62	−0.06	6.23	+1.00	1.35	−4.05	5.71	−2.35	5.08	+1.26	5.22	+2.38	1.45	−2.09	41.37	−4.10
New Milford	4.13	+1.05	2.79	−0.40	2.39	−0.96	1.51	−1.91	1.17	−2.34	4.84	+1.29	5.48	+0.36	1.84	−2.71	4.20	+0.12	2.00	−0.88	3.59	+0.38	0.88	−2.12	34.82	−8.12
Paterson	2.82	−0.73	2.33	−1.65	2.28	−1.67	1.63	−2.20	0.71	−3.06	4.46	+0.76	3.86	−0.44	1.40	−3.23	2.89	−0.72	3.00	−1.11	3.90	+0.78	0.86	−2.99	30.14	−16.26
Plainfield	3.67	+0.02	2.43	−1.32	2.59	−1.37	2.48	−1.31	1.23	− 2.50	3.79	−0.08	5.46	−0.09	3.58	−1.52	5.06	+1.03	*4.58	+0.50	4.05	+1.00	1.45	−2.42	40.37	−8.06
Ridgefield	4.28	+0.62	2.93	−0.97	2.47	−1.60	1.86	−1.59	0.95	−2.52	4.06	−0.08	4.91	+0.09	1.62	−3.29	4.32	+1.18	2.15	−2.08	3.78	+0.94	1.24	−2.57	34.57	−11.87
Somerville	2.99	−0.53	2.44	−1.01	2.65	−1.02	1.98	−1.68	2.06	−1.48	2.72	−0.79	6.03	+0.79	3.35	−1.57	4.71	+0.99	5.19	+1.61	4.44	+1.47	1.44	−2.27	40.00	−5.49
Woodcliff Lake	3.37	+0.22	2.72	−0.60	2.22	−0.85	1.84	−1.60	1.36	−1.98	4.11	+0.75	4.16	−0.41	1.75	−2.47	3.43	−0.43	2.14	−0.71	3.79	+0.76	0.97	−2.02	31.86	−9.34
New York, N. Y	4.08	+0.42	3.01	−0.81	2.57	−1.07	1.61	−1.62	1.33	−1.91	3.64	−0.31	3.55	−0.69	1.43	−2.90	4.48	+1.09	2.52	−1.01	3.20	+0.24	1.22	−2.40	32.64	−10.35
The Southern Interior.																										
Belleplain	*5.39	+1.85	2.96	−0.37	1.51	−2.25	3.53	−0.17	2.17	−1.35	3.53	+0.09	2.38	+1.93	1.76	−2.84	15.01	‡	5.61	+2.71	5.70	+3.16	3.47	−0.53	53.02	+10.00
Bridgeton	5.21	+1.76	2.46	−0.76	2.73	−1.11	2.24	−1.36	3.19	−0.08	4.80	+0.88	3.47	−0.98	3.34	−1.33	10.53	+7.22	4.07	+0.97	4.88	+2.28	2.93	−0.77	49.85	+6.72
Burlington	3.95	+0.38	2.66	+0.66	3.18	−0.53	4.27	+0.58	3.49	+0.02	6.52	+2.83	4.44	−0.50	3.56	−2.22	5.49	+1.93	5.04	+1.55	6.58	+3.60	1.41	−2.54	50.59	+5.71
Camden	3.03	......	4.01	......	3.20	......	2.06	......	1.92	......	6.70	......	5.81	......	3.26	......	7.86	......	5.21	.....	4.80	......	1.12	......	48.98	....
Freehold	3.43	+0.53	3.41	−0.73	2.40	−2.25	3.47	−0.17	2.11	−1.67	4.25	+0.64	3.53	−1.73	3.34	−1.25	6.01	+1.72	4.85	+1.14	5.69	+1.67	2.04	−1.68	44.53	−3.78
Hammonton	5.98	+2.24	3.75	+0 51	2.63	−1.29	3.23	−0.55	3.03	−0.58	5.16	+1.40	2.53	−2.01	5.49	+0.61	8.53	+4.32	5.68	+1.83	5.53	+2.49	2.37	−1.61	53.91	+7.36
Hightstown	4.07	+0.60	2.97	−0.42	2.64	−1.14	2.52	−1.37	1.73	−1.88	4.45	+0.69	5.33	+0.41	1.56	−3.46	5.05	+1.84	5.92	+2 22	5.69	+2.78	1.26	−2.28	43.19	−2.01
Indian Mills	5.31	+1.34	2.96	−0.71	2.66	−1.42	2.66	−1.14	2.77	−0.57	4.30	+0.37	2.16	−2.59	6.34	+0.81	6.15	+2.66	6.17	+2.48	5.04	+2.04	1.85	−2.26	48.37	+1.01
Lakewood	5.60	+1.60	2.99	−0.90	2.72	−1.45	4.30	+0.35	2.78	−1.00	3.36	−0.65	1.93	−3.07	3.67	−1.52	6.31	+3.27	4.54	+0.74	6.02	+2.93	1.46	−2.73	45.68	−2.43
Maple Shade	4.41	......	3.30	......	2.49	......	2.64	......	2.31	......	5.46	.....	4.42	......	5.38	.....	8.19	......	4.70	......	5.54	......	1.49	.....	50.33	....
Moorestown	3.52	+0.18	2.85	−0.40	2.58	−1.10	2.88	−0.77	2.59	−0.93	5.45	+1.67	3.43	−1.27	5.41	+0.04	7.70	+4.17	4.82	+1.34	5.59	+2.68	1.43	−2.34	48.25	+3.27
Northfield	5.58	+2.44	2.97	+0.13	2.16	−1.28	2.90	−0.42	3.10	−0.14	7.32	+4.03	1.34	−2.81	2.82	−1.70	12.77	+9.92	3.54	+0.34	6.96	+4.25	3.37	−0.40	54.83	+14.36
Pemberton	3.98	......	2.60	......	2.44	......	1.97	......	2.57	......	4.94	......	2.07	......	2.06	......	6.27	......	6.84	......	4.36	......	1.37	.....	41.47	....
Pleasantville	5.20	+3.00	2.89	−0.01	2.52	−0.89	3.14	−0.28	2.54	−0.64	6.19	+2.69	2.43	−1.63	4.96	+0.30	12.36	+9.57	3.23	−0.10	7.34	+4.52	4.10	+0.17	56.90	+16.70
Port Norris	5.32	......	.....	.....	.....	......	.....	......	.....	.....	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
Runyon	3.76	+0.30	3.11	−0.38	2.73	−0.37	3.25	−0.71	1.98	−1.92	3.48	−0.05	4.03	−1.35	1.40	−3.92	4.70	+1.10	4.67	+0.85	6.21	+3.03	1.36	−1.98	40.68	−5.40
Trenton	3.27	−0.04	2.81	−0.46	2.17	−1.23	1.46	−1.48	1.47	−1.61	4.09	−1.00	4.07	+0.13	3.09	−1.66	5.42	+2.02	4.73	−1.95	4.27	+1.54	1.40	−1.95	38.25	−1.79
Trenton No. 2	4.10	......	3.18	......	2.70	......	1.83	......	1.55	......	4.44	......	5.45	......	4.88	......	6.05	......	4.59	......	5.30	......	1.51	......	45.58	....
Tuckerton	4.94	+1.27	2.91	−0.58	2.08	−2.05	2.99	−0.78	1.72	−1.72	5.87	+2.14	1.31	−2.67	1.61	−3.69	9.09	+5.83	2.63	−0.99	7.31	+4.31	*3.74	−0.59	46.20	+0.48
Philadelphia, Pa	4.21	+0.91	3.12	−0.20	2.11	−1.28	2.12	−0.93	2.21	−1.05	6.25	+3.01	5.07	+0.92	3.34	−1.28	8.36	+5.22	3.95	+1.14	4.07	+1.37	1.55	−1.88	46.36	+5.95
The Sea Coast.																										
Atlantic City	5.04	+1.55	3.08	−0.28	2.31	−1.29	2.93	−0.06	2.14	−0.91	7.57	+4.53	0.70	−3.23	2.31	−2.18	14.73	†	3.58	+0.38	7.27	+4.45	3.38	−0.56	55.04	+14.48
Long Branch	5.54	+1.40	3.91	−0.22	2.32	−1.85	2.74	−1.53	1.70	−2.15	2.98	−0.88	4.11	−1.74	2.23	−3.25	6.34	+3.15	3.79	−0.60	4.60	+1.04	1.44	−2.71	41.70	−9.34
Sandy Hook	3.53	−0.43	2.87	−0.88	1.68	−2.36	1.85	−1.77	1.61	−2.11	2.85	−0.93	3.33	−1.79	2.63	−2.35	4.29	+0.86	2.77	−1.01	3.59	+0.34	1.16	−2.88	32.16	−15.31

* Interpolated from surrounding stations. ‡ +11.63 † +12.08

Monthly and Annual Mean Temperatures for the Year 1935, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	26.8	−0.6	28.8	+0.9	^{g}41.0	+2.4	50.2	+0.6	59.0	−1.4	72.2	+3.3	^{f}79.0	+5.8	^{c}73.2	+2.4	^{e}65.0	0.0	^{e}55.6	+0.5	46.6	+5.2	^{a}26.8	−4.0	52.0	+1.2
Charlotteburg	26.6	−0.3	28.4	+2.0	42.2	+5.9	47.2	+0.6	55.8	−1.4	66.8	+1.8	74.0	+4.1	71.0	+3.5	60.8	−1.3	52.7	+1.4	46.3	+5.9	26.6	−3.5	49.9	+1.6
Dover	^{f}26.8	+0.1	27.5	+0.6	^{a}40.0	+4.1	47.0	−0.4	56.6	−1.8	67.5	+0.7	^{a}74.0	+2.6	70.0	+0.9	59.7	−2.7	52.2	+0.8	^{a}45.4	+5.0	26.4	−3.7	49.4	+0.5
Layton	22.2	−2.8	25.4	+0.3	38.3	+2.2	45.4	−1.7	54.3	−3.2	66.4	+0.7	73.4	+2.5	69.2	+1.0	59.4	−3.2	51.0	−0.1	43.9	+4.6	24.9	−3.2	47.8	−0.2
Long Valley	^{a}26.2	.....	27.3	.....	39.7	.....	46.0	.....	55.4	.....	66.5	.....	^{a}73.5	.....	69.5	.....	^{d}59.8	.....	51.7	.....	45.2	.....	.....	.....	.....	.....
Newton	.....	.....	.....	.....	39.5	+3.5	46.5	−1.5	56.0	−3.4	67.2	−0.8	74.2	+1.7	70.8	+0.5	61.2	−2.6	53.2	+0.4	44.4	+3.6	25.1	−5.1	.....	.....
Phillipsburg	27.2	−1.2	28.9	+0.1	42.1	+3.5	49.2	−0.4	58.5	−2.5	69.4	+0.1	76.4	+2.5	72.5	+0.8	62.6	−2.7	53.3	−0.4	46.6	+4.8	^{t}28.7	−2.8	51.3	+0.2
Sussex	25.0	−1.8	27.8	+1.3	40.4	+3.5	47.5	−0.9	^{a}56.6	−2.7	^{b}69.4	+2.6	.....	....	^{d}72.4	+2.8	62.6	−1.6	^{a}54.5	+1.6	46.0	+4.8	^{a}26.8	−3.1	.....	.....
The Red Sandstone Plain.																										
Boonton	22.9	−4.2	23.8	−3.9	38.8	+3.4	47.2	−0.9	.....	.....	.....	.....	.....	.....	71.1	+1.0	60.4	−3.1	52.9	+0.9	45.8	+4.6	28.0	−1.3	.....	.....
Canoe Brook	25.3	.....	27.4	.....	41.2	.....	47.1	...	54.6	.....	66.6	.....	74.4	.....	69.7	.....	60.2	....	51.8	.....	45.7	.....	26.1	.....	49.2	.....
Elizabeth	^{b}28.3	−2.1	30.0	−1.0	44.6	+5.2	49.9	−1.0	57.7	−4.0	68.8	−1.6	75.6	+0.4	72.0	−1.2	.....	.....	54.8	−0.5	49.4	+5.6	29.7	−3.9	.....	.....
Flemington	27.9	−2.0	29.8	−0.1	44.2	+3.6	50.0	−0.2	58.7	−2.3	69.8	+0.3	77.8	+3.3	74.0	+1.7	64.4	−2.1	55.9	+0.3	48.8	+5.5	29.4	−3.1	52.6	+0.4
Jersey City	29.2	−2.9	32.0	+0.5	44.0	+4.0	50.3	+1.0	60.0	−1.3	70.2	−0.7	77.4	+1.6	74.6	+1.0	65.0	−2.5	57.2	+1.0	49.0	+4.5	30.3	−4.2	53.3	+0.1
Lambertville	26.8	−3.4	29.7	−0.9	42.8	+3.1	48.6	−1.6	57.2	−3.8	68.2	−1.3	75.0	+1.0	71.8	−0.2	62.6	−3.2	54.4	+0.2	46.8	+3.7	27.4	−6.1	50.9	−1.0
Little Falls	26.8	−1.7	30.2	+0.9	43.0	+5.7	49.0	+0.7	57.8	−2.0	68.8	+0.1	76.8	+3.0	72.6	+1.4	62.6	−4.7	55.0	+1.8	48.1	+6.1	28.7	−3.7	51.6	+0.6
Newark	.....	.....	.....	.....	.....	.....	49.5	−0.7	59.0	−2.1	69.2	−0.4	76.3	+1.7	73.0	+0.3	63.6	−3.1	55.4	−0.3	48.3	+4.6	29.3	−4.1	.....	.....
New Brunswick	28.5	−1.8	30.0	−1.0	43.9	+4.7	48.6	−1.1	57.8	−2.6	68.8	−0.4	76.0	+2.0	73.0	+1.0	63.5	−2.3	55.2	+0.5	48.4	+4.8	28.6	−4.8	51.8	−0.1
Paterson	^{a}27.4	−2.5	^{b}30.3	−0.3	42.6	+3.2	49.6	−1.1	57.2	−4.3	68.1	−1.9	75.2	+0.7	71.5	−0.7	^{b}62.4	−4.0	56.4	+1.2	48.8	+5.1	.....	.....	.....	.....
Plainfield	28.6	−1.2	30.6	+1.3	43.4	+4.3	49.6	+0.2	58.5	−1.3	69.6	+1.0	76.8	+3.2	73.0	+1.6	63.4	−2.1	55.2	+1.4	48.2	+5.6	29.1	−3.7	52.2	+0.8
Ridgefield	26.2	−2.3	29.1	+0.3	42.1	+5.6	49.1	+1.2	58.1	−1.0	69.3	+1 7	76 4	+3.5	72.7	+2.0	63.3	−1.6	55.0	+2.2	47.2	+5.4	28.0	−3.3	51.4	+1.1
Somerville	27.6	−1.4	29.0	−0.4	43.2	+4.4	.....	.....	^{c}57.0	−3.5	68.2	−1.0	75.8	+1.8	72.1	−0.1	62.2	−3.9	54.5	+0.4	^{f}45.9	+3.2	28.0	−4.5	.....	.....
New York, N. Y.	29.2	−1.7	31.6	+0.3	43.2	+5.5	49.5	+0.1	58.8	−1.8	68.6	−0.2	76.2	+2.4	73.6	+0.5	64.2	−2.6	56.8	+0.5	48.6	+4.4	30.6	−4.4	52.6	+0.3
The Southern Interior.																										
Belleplain	.....	.....	^{c}34.2	+1.7	45.3	+3.8	48.8	−1.7	^{c}58.3	−2.3	69.5	+0.6	76.0	+2.6	73.2	+1.1	64.6	−1.7	55.2	−0.3	49.8	+5.4	30.4	−4.7	.....	.....
Bridgeton	29.4	−4.3	31.8	−2.3	45.5	+2.9	50.0	−2.3	59.4	−4.1	70.8	−1.3	77.2	+0.7	73.8	−0.8	62.2	−6.2	55.6	−1.6	48.0	+2.3	29.7	−6.4	52.8	−2.0
Burlington	31.4	−1.6	31.9	+0.4	46.0	+4.7	51.4	−0.6	60.3	−2.6	70.1	−1.6	77.4	+0.6	74.1	−0.3	64.0	−3.7	56.2	−0.7	50.0	+0.3	32.0	−2.9	53.7	−0.7
Camden	29.5	.....	31.1	.....	45.0	.....	50.9	.....	60.2	.....	71.0	.....	77.9	.....	74.6	.....	65.0	.....	56.2	.....	48.6	.....	30.3	.....	53.4	.....
Freehold	29.2	.....	30.0	.....	44.0	.....	48.0	.....	57.6	.....	69.6	.....	76.4	.....	72.8	.....	63.6	.....	54.7	.....	48.0	.....	28.8	.....	51.9	.....
Hammonton	29.4	.....	30.9	.....	41.6	.....	.....	.....	59.0	.....	70.8	.....	78.1	.....	.....	.....	64.1	.....	56.6	.....	49.8	.....	30.6	.....	.....	.....
Hightstown	29.5	−0.6	30.2	−0.1	44.6	+3.8	49.0	−1.4	^{h}59.5	−1.3	69.1	0.0	76.4	+2.3	72.6	+0.7	63.4	−3.3	56.6	+1.7	48.5	+5.0	28.7	−4.2	52.8	+0.2
Indian Mills	31.4	−0.7	32.8	+0.3	45.5	+4.4	49.4	−1.1	57.4	−4.3	68.8	−1.1	75.4	+0.9	72.4	0.0	64.4	−2.0	54.7	−0.5	48.4	+4.9	30.2	−3.8	52.6	−0.2
Lakewood	30.8	−0.7	31.0	0.0	45.2	+4.9	49.6	+0.1	58.2	−1.8	69.2	+1.0	76.0	+3.0	72.0	+1.1	63.4	−1.6	54.0	−0.2	48.8	+5.6	29.8	−4.1	52.3	+0.6
Maple Shade	.....	.....	.....	.....	46.4	.....	50.7	.....	59.3	.....	71.2	.....	77.3	.....	73.8	.....	65.0	.....	56.4	.....	49.7	.....	30.5	.....	.....	.....
Moorestown	29.3	−1.6	30.6	−1 2	44.8	+5.0	50.0	−0.5	57.8	−3.4	68.8	−1.4	76.8	+2.1	73.3	+0.8	63.2	−3.1	55.3	+0.4	48.4	+5.5	29.7	−4.0	52.3	−0.1
Pemberton	30.3	.....	31.6	.....	46.0	.....	50.2	.....	58.8	.....	70.3	.....	77.1	.....	74.2	.....	65.0	.....	56.0	.....	49.9	.....	30.4	.....	53.3	.....
Pleasantville	30.2	.....	32.3	.....	43.8	.....	48.1	.....	^{b}56.9	.....	68.5	.....	75.4	.....	72.5	.....	63.5	.....	54.7	.....	49.1	.....	^{a}30.4	.....	52.1	.....
Runyon	28.7	.....	28.4	.....	41.5	.....	48.6	.....	57.2	.....	69.6	.....	75.4	.....	71.2	.....	62.1	.....	53.7	.....	46.7	.....	28.2	.....	50.9	.....
Trenton	29.0	−1.5	30.6	−0.1	43.8	+4.7	49.6	−0.2	59.0	−2.1	69.8	+0.3	77.0	+2.5	73.4	+0.4	64.0	−2.9	55.5	−0.1	48.1	+3.7	29.3	−5.1	52.4	−0.1
Tuckerton	31.5	−1.4	35.2	+2.8	44.5	+3.4	45.5	−4.1	.....	.....	67.2	−1.6	.....	.....	72.8	+0.8	65.2	−1.5	.....	.....	48.4	+3.7	.....	.....	.....	.....
Philadelphia, Pa.	31.0	−1.6	33.0	−0.9	46.2	+5.4	51.6	−0.5	60.6	−2.3	71.5	+0.1	78.2	+2.0	75.3	+0.5	66.0	−2.0	57.8	0.0	50.0	+4.3	31.5	−4.8	54.4	0.0
The Sea Coast.																										
Atlantic City	32.3	−0.2	34.2	+0.6	44.6	+6.0	48.4	+0.6	56.8	−1.3	68.0	+1.4	75.2	+3.1	74.0	+1.5	66.3	−0.5	57.2	+0.3	50.3	+4.7	32.4	−4.0	53.3	+1.0
Long Branch	28.8	−2.7	30.0	−1.2	43.4	+4.0	48.0	−0.2	56.9	−1.1	67.8	+0.7	75.1	+3.0	72.2	+1.4	63.3	−2.6	54.6	−0.8	48.8	+4.6	29.0	−5.2	51.5	0.0
Sandy Hook	29.6	−1.7	31.0	−1.1	42.4	+3.1	48.2	−0.1	57.8	−0.6	68.0	+0.2	75.6	+2.1	73.6	+1.1	65.4	−2.1	56.5	−0.4	49.5	+3.7	30.8	−4.4	52.4	0.0

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

THE WEATHER BY MONTHS.

JANUARY: Cold with heavy snows and a severe blizzard during the 22-23d. Traffic tied up for several days by snow drifts. Monthly snowfall averages fifth highest on record for January. FEBRUARY: Very changeable as to temperature, the monthly average being near the normal but the lowest temperature reported, 31 degrees below zero, establishing a new record for February and is the third lowest on record for any month. MARCH: Abnormally warm and rather dry. Spring work well under way by the end of the month. APRIL: First two decades cloudy and cold with frequent rains but month closed with favorable weather for vegetation. Menacing forest fires developed during the last few days. MAY: Cool and quite dry with soil much in need of moisture at close of month. Destructive forest fires during the 18-19th, mostly in Atlantic and Ocean counties. JUNE: Nearly normal in both temperature and rainfall and altogether a favorable month. JULY: Unusually warm. Rainfall averaged about normal; it was very unevenly distributed over the State. AUGUST: Rather dry, the showers being frequent but light in amount. Temperature about normal. SEPTEMBER: Cool with heavy to excessive rains, this being the third successive September with unusually heavy amounts, that of 1934 establishing a new record. OCTOBER: Month mostly devoid of any special features. During the last two to three days, heavy to excessive rains occurred. The first general freezing temperatures came on the 8th and 17th and the first killing frost on the 5th and 8th except near the Coast. NOVEMBER: Warm and wet, with the precipitation well distributed throughout the month. A slight earthquake was experienced on the 1st. DECEMBER: A cold month, ranking the sixth coldest December in the record of fifty-one years. Zero weather was general on the 29th, most stations experiencing within a few degrees of that mark. The total snowfall averaged the second heaviest for December during the past eighteen years.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

MAR 11 1936
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XLI. JANUARY, 1936. No. 1.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The weather was comparatively mild during the first eighteen days of the month, nearly every day averaging above the normal. During the remainder of the month, however, a steady and unusually cold spell prevailed so that the average for the month was the lowest for January since 1920. While no exceptionally low readings were recorded, the daily averages remained quite low. Over most of the State the lowest for the month was a few degrees below zero, but in the Highlands section they were from five to fifteen degrees below. They occurred at the great majority of stations on the 23d. The highest points to which the mercury climbed were in the high forties and low fifties and were registered on the 3d and 13th.

Precipitation was frequent during the first two decades and was mostly in the form of rain, except near the close of the second decade when most of the snow that fell during the month was recorded. During the last ten days of the month there was comparatively little precipitation. Sleet was unusually prevalent and the snow and sleet remaining on the ground at the end of the month had a high water content estimated at from 35% to 45% in a snow cover that averages about six inches. Potential flood dangers result from a possible sudden thaw by warm, heavy rains, and ice choked rivers. The heaviest general precipitation occurred during the 2-3d, 9-10th, and 18-20th. The monthly amounts received by the various subdivisions, in percentages of the normal amounts, were as follows; The Highlands, 167%; Red Sandstone Plain, 192%; Southern Interior, 172%; Sea Coast, 164%; State, 178%.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 37 stations, was 27.2°, which was 3.7° below normal. The highest temperature was 59° at Burlington on the 13th, and the lowest, −15°, at Layton on the 26th. The greatest daily range of temperature was 50° at Canoe Brook on the 2d. The highest monthly mean temperature was 31.2° at Atlantic City, and the lowest 21.5° at Layton.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, −2.9°; Red Sandstone Plain, −2.5°; Southern Interior, −3.4°; Sea Coast, −2.4°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 6.34 inches, which was 2.77 inches above normal. The average total snowfall at 20 selected stations was 9.1 inches, which was 1.6 inches above normal. The greatest monthly precipitation was 8.58 inches, at Elizabeth, and the least, 3.09 inches at Northfield. The greatest amount of precipitation in any 24 consecutive hours was 3.74 inches at Elizabeth on the 19th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands. +2.26 inches; Red Sandstone Plain, +3.36 inches; Southern Interior, +2.54 inches; Sea Coast, +2.46 inches.

WIND.

The prevailing wind direction was from the Northwest. The wind movement averaged 15 miles per hour, which was 1 mile above normal. The highest velocity, sustained for 5 consecutive minutes, was 51 miles per hour from the northeast at Atlantic City on the 19th.

MISCELLANEOUS.

The per cent of possible sunshine was 51, or 1 percent above normal.

The mean atmospheric pressure, reduced to sea level, was 30.01 inches, which was 0.10 inch below normal. The highest reading was 30.57 inches at Ridgefield on the 8th, and the lowest 28.93 inches at Atlantic City on the 19th.

The mean stage of the Delaware River at Phillipsburg was 4.7 feet, and the highest 5.9 feet on the 16th. At Trenton the mean stage was 5.4 feet, and the highest 11.0 feet on the 3d.

Dense fog was observed by some stations along the Delaware River on the 15th. It also occurred at certain points along the coast on the 3d, 6th, 7th, 9th, 10th, 15th and 18th. Sleet occurred on the following dates: 2, 3, 6, 7, 8, 9, 17, 18, 19 and 20. Thunder was heard on the 19th at a number of stations.

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No. of days			
	Mean	Hignest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	....	.....	.....	.....	.....
1886	27.3	60	−10	4.47	....	.....	.....	.....	.....
1887	28.4	67	−6	3.86	....	10	.....	.....	.....
1888	25.4	59	−12	4.77	....	9	.....	.....	.....
1889	36.2	60	8	5.68	....	9	.....	.....	.....
1890	41.3	**78**	12	2.29	....	10	.....	.....	.....
1891	34.2	59	10	**6.57**	....	10	10	11	10
1892	29.9	67	−6	5.13	....	10	10	9	12
1893	21.6	54	−21	3.04	....	9	10	10	11
1894	34.2	61	−4	2.34	....	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	....	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	**−34**	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	**0.8**	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	**1.50**	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	**20.3**	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	**22.8**	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	**42.4**	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
Period	30.9	78	−34	3.57	7.5	10	11	8	12

W. B. O. Philadelphia-2-27-36-900

Climatological Data for January, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	24.4	−3.0	43	3†	−7	23	41	7.52	+3.76	2.48	15.5	12	18	3	10	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	24.8	−2.1	50	3	−13	23	46	4.84	+1.22	1.70	21.5	15	20	0	11	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	−10	23	....	3.97	+0.93	1.50	23.2	13	13	9	9	e.	Brice E. Riker.
Dover	Morris	600	52	^{a}23.5	−3.2	50	3	−7	23	28	6.55	+2.55	2.75	13.0	11	7	11	13	......	William C. Harris
Layton	Sussex	480	35	21.5	−3.5	43	3	−15	26	43	5.23	+2.25	2.02	31.0	13	11	5	15	w.	A. M. Depue.
Long Valley	Morris	520	6	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	S. N .Dilts.
Newton	Sussex	769	53	23.8	−2.1	47	13	−10	23	44	5.99	+2.61	2.10	23.7	16	14	5	12	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	^{b}24.8	−3.6	......	......	−5	23	41	6.21	+2.83	2.24	14.2	12	14	6	11	......	Town Engineer.
Sussex	Sussex	442	41	^{a}23.8	−3.0	44	3	−9	21†	41	4.86	+1.89	1.73	16.4	15	15	1	15	......	A. J. W. Mowatt
Means aud extremes	......	......	....	23.8	−2.9	50	3	−15	26	46	5.65	+2.26	2.75	19.8	13	14	5	12	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	......	......	......	......	......	......	....	6.55	+3.17	2.60	......	10	8	3	20	nw.	John Kline.
Canoe Brook	Essex	173	6	23.0	......	52	2	−8	21†	50	7.62	......	2.65	......	11	13	11	7	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	6.98	+3.01	2.52	9.0	13	12	8	11	......	Paul Molitor. Sr.
Elizabeth	Union	45	57	^{d}28.6	−1.8	54	13	−6	23	43	8.58	+4.88	3.74	13.4	17	17	3	11	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§50	26.8	−3.1	49	13	−6	23	43	7.21	+3.74	2.93	10.4	16	18	2	11	w.	Hiram E. Deats
Jersey City	Hudson	10	38	29.5	−2.6	53	13	−2	23	40	7.10	+3.40	2.31	12.7	15	12	7	12	nw	S. K. Pearson.
Lambertville	Hunterdon	430	49	26.0	−4.2	58	3	−7	23	35	7.38	+3.92	2.15	11.8	16	13	3	15	ne.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	26.3	−2.2	53	2†	−4	23	41	7.59	+3.92	2.15	14.0	12	18	4	9	w.	Passaic Valley Water Co
Newark	Essex	10	....	27.7	−2.1	55	13	−4	23	27	6.58	+2.50	1.93	8.0	13	9	12	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	26.8	−3.5	53	3†	−4	23	42	6.21	+2.81	1.94	11.5	14	16	6	9	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	6.64	+3.56	2.14	......	11	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	28.1	−1.8	53	13	−3	23	41	7.23	+3.68	2.68	14.9	13	15	4	12	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	27.4	−2.4	53	3	−3	23	41	7.11	+3.46	2.40	11.3	14	12	8	11	nw.	S. K .Pearson.
Ridgefield	Bergen	80	19	26.0	−2.5	54	13	−3	23	32	7.22	+3.56	2.25	17.6	14	13	8	10	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	27.5	−1.5	50	3†	−4	23	32	5.43	+1.91	1.08	14.0	11	18	3	10	n.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	..	6.05	+2.90	1.94	......	11	....	....	..	......	Hackensack Water Co.
New York, N. Y.	......	10	66	29.9	−1.0	53	15	−2	23	28	6.82	+3.16	2.32	9.1	13	10	8	13	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	27.0	−2.5	58	3	−8	21†	50	7.00	+3.36	3.74	12.4	13	14	6	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	^{c}29.4	−3.6	57	13	1	23	47	4.23	+0.69	1.61	0.5	10	13	8	10	w.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	27.9	−5.8	53	2†	−2	22	46	6.78	+3.33	1.78	3.3	11	14	8	9	ne.	Bennett K. Matlack
Burlington	Burlington	12	§50	29.3	−3.7	59	13	−2	23	43	5.89	+2.32	2.06	5.6	16	15	6	10	nw.	Public Service G. & E. Co.
Camden	Camden	20	4	28.4	......	54	13	−2	23	34	5.73	......	2.17	8.1	11	10	8	13	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	26.9	......	49	9†	−4	23	41	7.31	+3.35	2.38	7.5	12	17	6	8	w	Moreau Plant Co.
Hammonton	Atlantic	95	§30	29.9	......	58	13	−1	23	40	7.29	+3.55	2.76	2.8	14	9	13	9	nw.	J. G. Wilson.
Hightstown	Mercer	110	43	27.0	−3.1	54	3†	−4	23	42	5.98	+2.51	1.81	8.6	17	13	7	11	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	29.4	−2.7	57	13	−2	23	40	5.15	+1.18	2.11	6.5	11	11	12	8	nw.	James M. Armstrong.
Lakewood	Ocean	54	32	28.6	−2.9	55	13	−3	23	40	6.99	+2.99	2.57	5.0	14	13	5	13	w.	R. W. Holman.
Maple Shade	Burlington	65	1	29.0	......	54	13	−1	23	39	6.99	......	2.29	6.9	15	6	11	14	nw.	Richard J. Smith.
Moorestown	Burlington	62	73	28.2	−2.7	54	13	−2	23	36	6.34	+3.00	2.10	3.9	11	9	9	13	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	...	3.09	−0.05	1.76	T.	11	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	29.4	......	58	13	−1	23	45	6.44	......	2.20	4.7	15	15	2	14	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	28.8	......	50	9†	−1	23	42	6.56	+4.36	1.78	......	14	15	5	11	nw.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	29.0	......	54	13	−3	23	41	6.08	+3.62	1.92	7.7	13	14	11	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	27.8	−2.7	53	3	−3	23	30	6.00	+2.69	2.03	3.9	14	8	13	10	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	7.40	......	2.62	4.2	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	......	......	......	......	......	......	....	5.71	+2.04	......	......	....	....	....	....	......	John H. Brown.
Philadelphia, Pa	......	26	65	29.9	−2.7	52	13	−2	23	26	6.44	+3.14	2.14	4.9	16	9	10	12	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	28.6	−3.4	59	13	−4	23	47	6.09	+2.54	2.76	5.4	13	12	8	11	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	31.2	−1.3	51	3	1	23	29	5.92	+2.43	1.87	2.7	12	7	8	16	w	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	28.0	−3.5	54	13	−3	23	27	7.28	+3.14	2.39	8.3	13	11	7	13	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	29.0	−2.3	52	13	0	23	27	5.78	+1.82	1.48	2.9	12	10	8	13	w.	U. S. Weather Bureau.
Means aud extremes	......	......	....	29.4	−2.4	54	13	−3	23	29	6.33	+2.46	2.39	4.6	12	9	8	14	w.	
For the State	......	......	....	27.2	−3.7	59	13	−15	26	50	6.34	+2.77	3.74	9.1	13	13	7	11	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †† Received too late to be included in the means.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc. T, precipitation is less than 0.01 inch rain or melted snow.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

Daily Precipitation for January, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware		T	1.88			.25	.29		.78		1.00	.11	.10		.57		.05		*	2.48			.01				T.				T.	7.52
Charlotteburg	Passaic			.23			.25			.90	.11	.02	.02	.13		.32	.43	.03	.35	1.70	.30							.04				.01	4.84
Culvers Lake	Delaware		.04	.35			.39	.09		.22		.01	.10	.04		.21		.03	.98	1.50								.01					3.97
Dover	Passaic		*	2.75			.31			.87		.08		.15		.79	.05		*	1.50								.05					6.55
Layton	Delaware		*	1.40		T.	.26	T.		.65	T.		.01	.02		.47	.09	.02	.32	1.70	.27							.02					5.23
Long Valley	Morris																																
Newton	Delaware		.10	2.00		.06	.23	.03		.48		T.	.05	.09		.30	.18	.18	.30	1.90	.05			T.				.02				.02	5.99
Phillipsburg	do		.61	1.63		.09	.41	T.	T.	.77		T.	T.	.16		.50	T.	.18	.28	1.35			.15				T.	.08			T.	T.	6.21
Sussex	Hudson		.03	1.70		.03	.21	.26		.42	.05			.12		.31	.31	.05	.08	1.22				.05				.02					4.86
The Red Sandstone Plain.																																	
Boonton||||	Passaic			2.60	.29	T.		.26		T.	.97		.05		.06		.60	T.		.51	1.16			T.				.05					6.55
Canoe Brook||||	do			2.65	.25	.03		.31		T.	1.32		.06		.12		.73	.02	T.	.93	1.20			T.				T.				T.	7.62
Chatham||||	do			2.52	.63	.02		.33		T.	1.20		.08		.19		.72	.04		.72	.47			.02				.04					6.98
Elizabeth	Coast		.14	1.94		.04	.17	.10		1.02	.02	T.	.05	.15		.51	.28	.02	.25	3.74	.10			.02				.03					8.58
Flemington	Raritan		.11	2.82		.08	.09	.19		1.08	.04	T.	.06	.11		.46	.23	.08	.08	1.58	.16		.04					T.				T.	7.21
Jersey City	Coast		.35	1.50		.02	.17	.04		1.30		T.	.06	.07		.74		.08	.36	2.31	.04			.02				.04				T.	7.10
Lambertville	Delaware		.65	1.97			.18	.15		1.34	.02	T.	.02	.09		.52	.04	.08	.02	2.15	.05			.04				.06				T.	7.38
Little Falls.||||	Passaic			2.15	.21	.01		.27			1.38		.10		.11		.85	.01		1.20	1.25							.05					7.59
Newark***	Coast		.71	1.03	T.	.01	.29	T.	T.	1.26		T.	.01	.09		.75		.03	.15	1.93			.01	T.			T	.01			T.		6.28
New Brunswick	Raritan		.15	1.94			.15	.06		1.11	T.	T.	.03	.12		.44	.15	.08	.13	1.71	.09			T.				.05				T.	6.21
New Milford||||	Hackensack			2.14	.33			.16		.02	1.04		.10		.08		.73			.58	1.44							.02					6.64
Paterson	Passaic		.10	2.58		T.	.15	.09		1.38	.03	T.	.09	.12		.74	T.	T.	.13	1.67	.11			T.				.04					7.23
Plainfield	Raritan		*	2.40		.02	.23	.02		1.25		T.	.02	.10		.71		.02	.31	1.97			.04					.02			T.	T.	7.11
Ridgefield**	Hackensack		.11	2.14		.02	.20	.04		1.20		T.	.10	.09		.72	.09	.06	.38	2.02								.05			T.	T.	7.22
Somerville	Raritan		*	1.05			.10			1.00		.03		.03		1.08		.03	*	2.06								.05				T.	5.43
Woodcliff Lake||||	Hackensack			1.94	.36			.14		.02	1.00		.08		.09		.67			.53	1.20							.02					6.05
New York, N. Y***	Coast		.65	1.06		.02	.21	T.	T.	1.21		T.	.06	.07		.72		.08	.36	2.32	T.		.02	T.				.04				T.	6.82
The Southern Interior.																																	
Belleplain	Tuckahoe		.39	1.22		.20	.20			.05						.80	T.	T.	.10	1.15								.10				.02	4.23
Bridgeton	Delaware		1.78	.54	.14		.28		.19	.62						.91			1.07	1.12							.09			.04			6.78
Burlington	Delaware		.15	1.91	.07		.23	.09		1.30			T.	.06		.52	.11	.03	.13	1.19	.04			.02				.03				.01	5.89
Camden**	do		.82	1.35	T.	.10	.32			1.02				.02		.55	T.	T.	.14	1.30			T.				T.	.09				.02	5.73
Freehold	Raritan		.26	2.12			.31			1.50				.19		.81	.16	.10	.10	1.63								.08				.05	7.31
Hammonton	Mullica		.31	2.45		.13	.15	.13		1.09	T.		T.	.01		.89	.20	.02	.06	1.67	T.			T.				.14				.04	7.29
Hightstown	Raritan		.15	1.66		.05	.19	.09		1.19	.01		.03	.10		.45	.14	.09	.17	1.50	.09			.03				.04				T.	5.98
Indian Mills	Mullica		.05	2.11			.08	.04					.03			.52	.46	T.	.04		1.61							.12				.09	5.15
Lakewood	Metedeconk		.17	2.40		.10	.20	.17		1.30			.04	.08		.70	.22	.08	.05	1.40				T.				.08					6.99
Maple Shade	Delaware		.41	1.88		.11	.26	.05		1.43	T.		T.	.07		.42	.10	.15	.16	1.51	.05			T.				.08				.01	6.69
Moorestown||||	do		1.70	.40	.11		.33		.12	1.26		T.		.06		.49	T.		.89	.92				T.			.06				T.		6.34
Northfield	Coast		.26	1.50		.05	.25	.08					T.	.01		1.09	.22	T.	.06	1.49								.08				T.	3.09
Pemberton	Delaware		.10	2.10		.06	.21	.09		1.20	T.		.01	.06		.55		.19	.05	1.74	.02			T.				.05				.01	6.44
Pleasantville||||	Coast			1.30	.48	.18		.38		.15	.80				.02		1.42	.02		.69	.86			.02				.23				.01	6.56
Runyon	Coast		*	1.92			*	.29		1.11			*	.22		.52		.14	.28	*	1.55							.05					6.08
Trenton***	Delaware		.73	1.30	T.	.06	.19	T.	T.	1.28	T.	T.	.02	.07		.63	T.	.06	.14	1.38			.07				.03	.04				T.	6.00
Trenton No. 2||||	do			2.21	.41	.06		.30		.03	1.38	T.	.01		.11		.69	.08		.61	1.43			.02				.06				T.	7.40
Tuckerton	Coast																																5.71
Phila., Pa***	Delaware		.87	1.27	.02	.08	.32		T.	1.54		T.	T.	.04		.53	.03	.02	.15	1.40			.02	T.			.02	.09				.04	6.44
The Sea Coast.																																	
Atlantic City***	Coast		.52	.94	T.	.06	.38			.82	T.	T	T.	.01		1.10	T.	.02	.06	1.85			T	T.			.03	.12				T.	5.92
Long Branch**	do		.57	1.82		.07	.33	T.		1.67	T.		.03	.14		.74	T.	.08	.06	1.71			T	.01				.05				T.	7.28
Sandy Hook***	do		.44	.98		.06	.25			1.48		T.	.06	.14		.71	T.	.06	.15	1.42			T.	T.			T.	.03					5.78

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.08	30.55	1	28.93	19	16.8	51	ne.	19	79	66	70	47
Long Branch	30.01	30.56	8	28.95	19	14.3	42	nw.	23	83	68	75	50
New York, N. Y	29.99	30.56	8	29.03	19	16.7	49	s.	3	72	62	65	62
Philadelphia, Pa	30.03	30.58	8	29.05	19	12.5	38	s.	3	71	59	63	55
Ridgefield	29.99	30.57	8	29.03	19								
Sandy Hook	29.99	30.54	8	28.99	19	16.9	51	w.	23	85	76	77	54
Trenton	30.02	30.55	8	29.06	19	10.8	35	ne.	19	79	66	71	54

Daily Temperatures for January, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	32	32	43	42	41	35	40	38	39	40	36	41	43	43	40	40	38	32	28	28	26	35	34	14	20	23	19	21	21	27	20	32.6
	Minimum	7	9	30	35	34	25	35	19	21	32	24	28	30	24	32	30	18	23	13	12	−1	8	−7	−2	0	−4	3	3	12	−1	6	16.1
Charlotteburg	Maximum	40	42	50	42	42	38	40	40	36	42	36	43	47	46	46	44	35	32	32	30	34	35	33	12	18	24	22	17	22	25	21	34.4
	Minimum	6	8	28	26	34	24	15	19	28	33	24	29	39	35	17	32	19	20	10	9	4	−1	−13	−2	−2	3	−2	2	10	11	3	15.1
Dover	Maximum	37	34	50	37	41	31	37	36	37	40	36	41	47	38	42	40	33	33	16	33	27	35	2	10	18	26	8	19	24	25	20	30.7
	Minimum	10	13	33	27	29	24	29	16	30	31	26	29	30	24	21	29	21	22	....	10	6	11	−7	−1	3	2	3	3	11	−3	8	16.3ᵃ
Layton	Maximum	40	30	43	40	42	32	37	37	34	39	38	41	41	39	39	39	35	25	29	25	27	27	27	15	18	28	15	18	22	24	17	31.1
	Minimum	5	6	30	23	30	17	28	12	27	32	24	28	29	19	19	30	15	18	9	10	−13	1	−8	−3	−4	−15	1	3	9	−14	0	11.9
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	36	33	46	39	40	33	36	37	37	38	36	40	47	37	38	39	37	27	30	27	25	35	34	12	18	27	15	17	27	25	18	31.8
	Minimum	12	15	33	27	30	23	29	20	27	32	25	29	31	21	28	27	18	19	9	10	5	11	−10	−5	0	3	1	0	11	0	5	15.7
Phillipsburg	Maximum	....	....	....	....	....	....	....	....	40	38	36	41	44	37	41	41	36	34	34	26	27	36	36	14	21	22	22	26	24	25	21	31.4ʰ
	Minimum	9	10	33	28	30	26	32	25	31	34	28	31	34	27	26	31	23	28	14	15	5	8	−5	0	5	5	6	7	10	0	10	18.3
Sussex	Maximum	37	33	44	41	42	37	37	37	36	39	37	43	43	41	35	41	36	33	....	31	28	37	34	18	19	30	27	23	24	25	22	33.7ᵃ
	Minimum	5	7	27	29	34	22	29	18	28	34	27	31	31	22	21	30	15	19	....	10	−9	−6	−7	−2	−7	−4	4	2	10	−9	2	13.8ᵃ
The Red Sandstone Plain.																																	
Boonton§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Canoe Brook§§	Maximum	39	52	46	45	43	39	38	37	40	40	38	45	51	42	43	41	38	33	28	28	28	40	14	15	18	28	13	22	27	29	22	34.3
	Minimum	−3	2	10	22	28	18	25	14	21	31	22	27	26	24	18	26	17	25	18	11	−8	2	−6	−1	−6	−7	6	3	12	−8	−3	11.8
Elizabeth	Maximum	32	36	53	45	45	41	43	42	45	44	42	48	54	44	43	44	37	36	34	30	27	40	37	13	....	....	....	....	28	26	24	38.3ᵈ
	Minimum	10	14	33	27	37	22	31	24	33	33	26	33	31	26	26	36	26	28	18	14	6	10	−6	1	2	3	7	6	13	3	11	18.8
Flemington	Maximum	36	36	48	40	44	37	38	37	41	42	39	48	49	43	40	45	39	34	34	35	31	40	37	23	28	31	22	25	30	28	23	36.2
	Minimum	5	6	30	22	35	24	30	23	32	35	28	30	31	27	22	35	25	28	19	14	3	4	−6	2	3	3	6	5	10	0	10	17.5
Jersey City	Maximum	37	44	52	46	46	40	41	40	44	42	38	46	53	42	48	42	39	36	34	31	29	41	38	16	20	28	23	23	29	28	25	36.8
	Minimum	20	24	37	33	34	29	33	31	35	34	30	31	34	27	32	33	26	30	17	13	14	20	−2	1	7	9	7	9	16	11	14	22.2
Lambertville	Maximum	36	42	58	40	40	37	40	38	41	41	36	45	49	40	42	40	36	35	30	28	24	28	28	14	19	24	19	20	24	25	18	33.5
	Minimum	14	16	39	30	33	23	26	27	30	30	27	27	32	24	23	28	26	23	21	13	8	13	−7	−1	3	3	4	4	11	12	7	18.4
Little Falls§§	Maximum	41	53	46	45	44	41	42	38	40	42	43	45	53	42	43	42	39	33	25	31	28	44	23	17	27	30	15	22	20	30	23	35.7
	Minimum	8	12	18	26	34	23	27	20	28	33	27	30	30	25	23	29	23	24	18	12	4	9	−4	0	5	3	12	5	14	0	6	16.9
Newark	Maximum	35	44	52	44	43	34	41	37	42	42	36	44	55	38	45	45	38	35	33	28	26	41	23	15	18	27	21	21	26	26	22	34.7
	Minimum	18	17	35	31	32	28	34	27	32	34	29	32	34	27	28	33	27	27	18	14	11	17	−4	2	6	7	7	7	15	8	10	20.7
New Brunswick	Maximum	43	32	53	40	40	36	38	37	41	44	37	44	53	46	45	44	38	35	32	28	27	41	38	14	18	23	20	22	24	29	21	34.9
	Minimum	10	9	32	27	36	25	30	27	32	35	27	30	30	27	23	36	24	28	19	14	9	12	−4	2	5	5	6	5	8	3	11	18.8
Paterson	Maximum	40	35	52	43	43	41	46	39	38	42	39	45	53	43	43	45	36	35	34	28	28	39	38	16	20	27	24	21	26	26	22	35.7
	Minimum	17	20	31	32	38	27	31	27	32	35	30	32	34	26	25	33	25	25	17	13	12	14	−3	2	6	8	6	6	15	8	12	20.5
Plainfield	Maximum	37	38	53	38	44	34	41	39	44	41	36	47	52	40	44	44	39	32	34	30	29	41	38	16	20	27	20	22	28	27	23	35.4
	Minimum	7	12	38	29	34	24	33	25	32	34	28	31	33	26	24	33	26	28	17	14	9	10	−3	2	5	5	7	7	14	4	14	19.4
Ridgefield	Maximum	37	33	52	40	41	33	39	36	38	40	35	42	54	36	45	39	35	31	31	27	25	40	26	15	20	25	18	21	25	24	25	33.2
	Minimum	5	16	33	30	29	25	30	25	32	30	28	29	32	25	26	31	26	26	16	13	9	17	−3	2	3	5	6	6	13	6	10	18.7
Somerville	Maximum	35	33	50	40	44	43	40	40	47	50	37	47	47	44	44	44	42	32	29	30	30	46	18	20	20	22	21	18	25	30	23	35.2
	Minimum	14	19	19	30	32	30	30	30	30	35	30	30	31	22	24	28	24	26	22	16	12	14	−4	4	6	6	17	8	11	9	10	19.8
New York, N. Y.	Maximum	37	46	51	46	46	41	42	40	44	43	39	46	53	43	53	42	38	38	34	31	29	41	26	16	20	29	24	23	29	28	25	36.9
	Minimum	23	27	36	34	32	30	33	32	36	34	31	31	35	27	33	33	26	31	16	13	15	26	−2	1	7	10	7	9	16	15	13	22.9
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	53	44	38	43	40	52	48	41	48	57	51	52	52	41	50	47	35	33	45	42	19	21	30	26	20	27	28	27	39.6ᶜ
	Minimum	....	....	....	6	35	21	31	20	33	33	22	32	28	22	22	33	30	29	32	17	11	17	1	5	6	3	6	7	9	12	12	19.1ᶜ
Bridgeton	Maximum	38	53	44	47	43	35	44	44	50	43	42	46	53	43	51	42	44	45	33	29	32	44	15	19	21	33	14	21	27	30	18	36.0
	Minimum	14	26	26	31	24	29	27	30	33	25	29	29	23	25	32	29	30	31	17	14	14	−2	2	7	6	14	5	9	14	13	7	19.8
Burlington	Maximum	37	38	53	47	42	40	40	38	47	48	45	46	59	48	44	44	39	36	36	32	33	41	41	15	20	26	38	21	24	30	28	37.9
	Minimum	9	10	32	30	37	26	29	26	32	34	27	33	30	28	25	35	27	31	24	17	14	16	−2	4	13	8	6	7	12	9	14	20.7
Camden	Maximum	35	47	51	42	44	32	42	36	48	43	41	46	54	43	44	43	38	41	37	28	32	37	16	16	21	25	21	19	26	28	20	35.4
	Minimum	14	13	33	30	33	28	33	29	33	32	30	32	34	29	21	31	29	32	21	17	18	14	−2	4	8	10	6	10	15	12	12	21.3
Freehold	Maximum	33	36	47	40	39	34	34	35	49	49	37	38	47	43	48	48	37	34	34	28	24	40	37	12	16	24	20	17	19	26	19	33.7
	Minimum	12	13	33	30	33	24	32	24	32	34	27	30	30	25	25	35	25	29	26	14	13	17	−4	3	6	6	6	6	10	13	14	20.1
Hammonton	Maximum	37	36	54	45	46	40	42	38	52	48	44	47	58	50	51	50	39	48	44	31	31	44	39	17	21	28	24	20	25	29	25	38.8
	Minimum	8	11	36	28	37	23	33	27	33	35	26	33	29	24	24	34	30	29	31	17	14	21	−1	6	7	7	7	8	9	10	14	21.0
Hightstown	Maximum	35	32	54	40	43	37	39	36	44	47	38	44	54	46	46	43	37	34	33	25	28	41	38	13	19	23	20	19	23	29	22	34.9
	Minimum	5	7	32	29	35	25	31	23	32	33	27	30	30	27	23	36	23	29	20	15	11	15	−4	3	5	6	6	6	10	5	13	19.0
Indian Mills	Maximum	38	36	54	43	45	40	42	38	54	50	42	48	57	50	50	50	48	45	44	33	33	42	38	19	22	28	26	20	26	30	23	39.3
	Minimum	7	9	35	34	25	20	32	24	33	35	23	32	28	23	22	34	29	28	32	15	8	17	−2	4	6	3	9	8	9	7	14	19.5
Lakewood	Maximum	37	35	53	41	41	37	41	38	51	51	39	45	55	47	51	51	38	44	44	30	30	40	37	15	21	25	23	20	25	26	23	37.3
	Minimum	6	7	34	27	37	23	33	24	33	35	24	33	29	26	23	38	24	28	30	16	11	16	−3	5	7	7	7	7	12	7	14	20.0
Maple Shade	Maximum	37	35	52	43	43	35	41	37	50	44	41	46	54	44	44	44	39	41	41	29	31	43	38	16	21	26	24	20	25	26	22	36.5
	Minimum	13	13	35	29	35	26	32	26	32	30	28	33	31	27	26	36	29	31	24	17	16	17	−1	6	9	10	7	9	14	11	13	21.6
Moorestown	Maximum	35	49	53	44	42	37	40	36	50	41	40	45	54	42	44	43	37	41	35	27	30	42	19	15	21	24	21	20	24	26	20	35.4
	Minimum	12	13	36	29	37	27	32	25	33	36	28	29	33	28	26	33	29	32	19	17	15	17	−2	6	5	9	6	9	13	10	12	21.1
Pemberton	Maximum	36	31	54	43	46	38	41	38	51	48	41	47	58	47	51	51	40	43	40	31	32	44	44	15	21	26	22	20	25	28	25	38.0
	Minimum	7	11	31	29	38	24	32	25	33	35	26	30	30	27	26	36	29	31	27	16	14	21	−1	6	7	7	7	7	11	8	14	20.8
Pleasantville§§	Maximum	36	48	49	48	44	39	45	41	50	44	39	48	50	42	50	45	44	50	44	35	32	43	31	22	25	30	23	22	28	23	22	38.5
	Minimum	4	6	19	25	32	22	27	27	30	35	24	27	28	22	23	34	31	31	34	18	12	14	−1	2	6	6	3	8	9	11	14	19.0
Runyon	Maximum	34	34	52	45	44	44	40	44	42	44	46	46	54	52	46	45	46	36	35	33	30	40	38	14	22	25	24	24	26	30	26	38.4
	Minimum	−2	3	34	36	21	32	17	17	36	36	36	21	26	23	17	23	32	24	20	15	0	4	−3	0	5	7	10	4	8	−2	12	19.7
Trenton	Maximum	35	46	53	43	41	34	40	37	46	41	38	45	53	40	46	42	37	36	35	26	30	41	20	15	20	24	19	20	23	28	19	34.6
	Minimum	16	16	36	31	32	29	34	29	32	33	29	31	33	28	26	29	26	30	19	16	14	19	−3	2	6	6	6	9	14	12	11	21.0
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	36	39	20	24	30	29	20	22	28	27	22	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	18	30	−2	8	12	8	8	16	14	8	4	......
Philadelphia, Pa.	Maximum	35	50	52	45	44	34	43	38	49	42	40	45	52	42	48	44	41	41	39	29	30	41	16	16	21	26	23	21	27	26	26	36.3
	Minimum	22	24	36	33	34	29	34	33	33	34	33	34	35	31	32	33	31	33	21	17	18	16	−2	5	8	11	7	11	15	17	11	23.5
The Sea Coast.																																	
Atlantic City	Maximum	36	45	51	47	46	38	44	39	50	44	40	49	50	39	49	46	39	47	42	31	33	43	30	19	21	31	22	21	27	27	24	37.7
	Minimum	20	27	37	34	34	30	34	29	37	33	30	34	34	28	37	36	33	37	24	19	18	30	1	7	9	10	9	9	12	19	13	24.6
Long Branch	Maximum	35	43	52	43	43	38	40	36	45	41	38	43	54	36	51	42	35	43	35	26	26	42	24	15	21	24	22	20	25	25	19	34.9
	Minimum	13	14	36	30	32	28	33	27	36	31	28	33	34	29	25	32	28	32	22	16	13	20	−3	3	7	8	6	7	12	9	11	21.0
Sandy Hook	Maximum	34	45	50	42	40	37	39	37	47	40	37	43	52	37	49	42	36	36	35	28	28	42	27	15	18	23	22	21	25	24	21	34.6
	Minimum	20	22	36	31	32	30	34	32	35	34	32	33	35	28	32	32	29	31	21	17	17	25	0	5	9	12	9	10	16	15	13	23.5

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XLI. FEBRUARY, 1936. No. 2.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The unusually severe cold period that began on the nineteenth of last month continued through this month with slight moderations during the period from the 14th to 17th, inclusive, and again during the last six days of the month. The resulting average temperature of 24.1 degrees ranks as the sixth lowest for February during a period of 52 years. The highest temperatures were mostly in the high forties and low fifties and recorded on the 24th, 25th and 26th, while the lowest were below zero in the northern half of the State, occurring on the 3d, 19th and 20th, and near zero over the southern half on the 19th and 20th.

Over most of the State the precipitation averaged a little above the normal but in the Red Sandstone Plain section the average was so much lower that it carried the State average down to 86% of the normal amount. The percentages for the various subdivisions were as follows: The Highlands, 108%; Red Sandstone Plain, 69%; Southern Interior, 105%; Sea Coast, 101%. Periods of precipitation generally were during the 3d-4th, 7-9th, then almost daily from the 13th to 18th, inc., and during the 26-27th. Sleet was more frequent and heavier than is usually the case and the combination of sleet and snow covered the ground during almost the entire month, especially in northern districts. The greatest depths on the ground were attained on various dates from the 7th to 13th. This condition constituted a grave potential flood danger on account of the high water content of the snow and ice cover.

TEMPERATURE.

The monthly mean temperature of the State, as computed from observations of 38 stations, was 24.4°, which was 6.3° below normal. The highest temperature was 66° at Pleasantville on the 25th, and the lowest, —17°, at Canoe Brook on the 20th. The greatest daily range of temperature was 46° at Canoe Brook on the 21st. The highest monthly mean temperature was 28.8° at Atlantic City, and the lowest, 18.8° at Layton.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, —4.2°; Red Sandstone Plain, —4.0°; Southern Interior, —4.7°; Sea Coast, —4.3°.

PRECIPITATION.

The mean total precipitation of the State, as computed from observations of 45 stations, was 3.10 inches, which was 0.51 inch below normal. The average total snowfall at 20 selected stations was 9.6 inches, which was 0.8 inch above normal. The greatest monthly precipitation was 5.64 inches, at Pleasantville, and the least, 1.72 inches at Canoe Brook. The greatest amount of precipitation in any 24 consecutive hours was 2.56 inches at Charlotteburg on the 14th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +3.03 inches; Red Sandstone Plain, +2.25 inches; Southern Interior, +2.83 inches; Sea Coast, +2.50 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 4, 6, 17, 18, 27.

SLEET: 3, 4, 9, 13, 14, 15, 17, 18, 26.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	**39.9**	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	**−31**	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
Period	30.7	80	−31	3.61	8.8	9	11	7	10

Climatological Data for February, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	21.0^{b}	−6.9	47	25	−6	20	36	3.93	+0.37	1.80	14.7	9	16	2	11	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	22.8	−3.6	53	25	−8	20	37	4.31	+0.62	2.56	13.7	8	18	0	11	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	−8	2†	....	3.90	+0.94	1.68	20.1	6	17	3	9	e.	Brice E. Riker.
Dover	Morris	600	52	21.8^{a}	−5.1	52	25	−5	20	31	3.68	−0.09	2.38	11.0	7	8	12	9	......	William C. Harris
Layton	Sussex	480	35	18.8	−6.3	53	25	−16	1†	43	2.70	−0.29	1.40	13.5	6	13	3	13	ne.	A. M. Depue.
Long Valley	Morris	520	6	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	S. N .Dilts.
Newton	Sussex	769	53	21.4	−5.6	53	26	−5	19	31	2.66	−0.49	1.30	17.7	9	12	5	12	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	22.6	−6.2	44	25†	0	3†	29	3.72	+0.41	1.05	13.5	10	16	6	7	......	Town Engineer.
Sussex	Sussex	442	41	22.0	−4.5	50	24†	−9	3†	41	3.64	+0.68	1.49	17.0	7	17	2	10	......	A. J. W. Mowatt
Means and extremes	......	......	....	21.5	−5.5	53	25†	−16	1†	43	3.57	+0.27	2.56	15.2	8	15	4	10	ne.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	22.2	−5.5	49	25	−5	20	35	2.55	−0.75	0.86	......	9	13	1	15	ne.	John Kline.
Canoe Brook	Essex	173	6	20.4	......	50	25	−17	20	46	1.72	......	0.42	......	11	13	5	11	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	2.74	−1.13	0.53	17.0	10	10	8	11	......	Paul Molitor. Sr.
Elizabeth	Union	45	57	25.6	−5.4	56	27	−3	20	30	2.49	−1.37	0.77	10.8	10	14	1	14	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§50	24.2	−5.7	53	15	−7	20	39	2.20	−1.12	0.65	10.7	10	14	6	9	w.	Hiram E. Deats
Jersey City	Hudson	10	38	26.3	−5.2	50	25†	2	19	24	2.50	−1.43	0.90	10.2	12	11	6	12	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	49	23.5	−7.1	43	25†	−2	19	24	2.76	−0.62	0.79	15.2	10	10	6	13	ne.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	24.1	−5.2	56	25	−5	20	41	2.82	−0.98	1.25	14.6	12	15	3	11	w.	Passaic Valley Water Co
Newark	Essex	10	....	24.4	−4.8	49	25	1	19	31	2.50	−1.11	0.70	10.5	12	10	8	11	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	24.0	−7.0	50	25	−4	20	32	2.20	−1.17	0.72	10.0	9	12	8	9	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	.....	......	....	2.56	−0.63	0.84	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	24.8	−5.8	52	25	−1	19	25	2.50	−1.48	1.17	10 5	9	12	6	11	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	24.4	−4.9	50	25	−4	20	30	2.45	−1.30	0.61	12.4	10	13	5	11	nw.	S. K .Pearson.
Ridgefield	Bergen	80	19	22.6	−6.2	49	25	0	19	31	2.36	−1.54	0.98	12.3	12	13	4	12	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	26.7	−2.7	50	25†	2	3	35	2.20	−1.25	......	......	....	16	7	6	n.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	2.53	−0.79	1.00	......	10	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	10	66	26.6	−4.7	52	26	2	19	33	2.41	−1.56	1.01	6.3	12	9	6	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	24.1	−5.5	56	25†	−17	20	46	2.44	−1.11	1.25	12.2	10	13	5	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	27.4	−5.1	61	25	3	19	34	3.91	+0.58	2.00	9.0	7	13	7	9	nw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	26.4	−7.7	58	26	3	18	31	3.70	+0.48	1.60	9.0	11	14	5	10	w.	Bennett K. Matlack
Burlington	Burlington	12	§50	27.3	−5.0	49	15†	2	21	33	2.69	+0.63	0.87	6.1	9	11	8	10	nw.	Public Service G. & E. Co.
Camden	Camden	20	4	25.2	......	49	29	4	19†	30	2.90	......	0.69	10.5	8	8	9	12	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	24.4	......	47	25	1	19	24	2.64	−1.50	0.75	6.7	10	14	3	12	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	26.5	......	60	25	3	19	35	4.14	+0.90	1.63	7.8	10	8	9	12	w.	J. G. Wilson.
Hightstown	Mercer	110	43	23.8	−6.5	48	25	−1	20	32	2.48	−0.91	0.84	8.4	11	11	7	11	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	26.0	−6.5	60	25	−1	20	32	3.55	−0.12	1.25	6.5	8	11	10	8	nw.	James M. Armstrong.
Lakewood	Ocean	54	32	25.9	−5.1	57	25	0	20	33	2.24	−1.65	0.53	6.2	8	11	6	12	nw.	R. W. Holman.
Maple Shade	Burlington	65	1	26.0	......	50	29	4	19†	28	3.26	......	1.18	8.8	9	8	8	13	nw.	Richard J. Smith.
Moorestown	Burlington	62	73	25.0	−6.8	48	25	3	19	25	3.38	+0.13	1.58	8.1	11	11	4	14	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	4.53	+1.69	2.02	7.7	10	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	25.6	......	52	29	0	20	32	2.65	......	0.80	6.2	9	16	2	11	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	28.2	......	66	25	4	19	34	5.64	+2.74	2.00	......	14	16	2	11	n.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	23.8	......	52	25†	−14	20	42	2.70	−0.79	0.75	......	7	15	7	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	24.9	−5.8	51	25	2	19	31	2.20	−1.21	0.78	9.1	9	9	7	13	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	2.91	......	1.20	10.2	13	....	....	...	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	......	......	......	......	......	......	....	4.62	+1.13	.....	......	....	....	....	....	......	John H. Brown.
Philadelphia, Pa	......	26	65	27.6	−6.3	57	25	4	19	29	3.46	+0.03	1.59	9.2	9	8	8	13	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	25.8	−6.1	66	25	−14	20	42	3.34	+0.15	2.02	8.0	10	12	6	11	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	28.8	−4.8	63	25	6	19	29	4.71	+1.23	1.65	8.5	11	10	1	18	w.	U. S. Weather Bureau
Long Branch	Monmouth	25	28	24.8	−6.4	53	25	2	19	34	4.31	+0.18	1.40	8.2	12	10	5	14	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	24.8	−7.3	48	25	3	19	29	2.60	−1.30	0.75	6.1	10	10	4	15	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	26.1	−6.2	63	25	2	19	34	3.87	+0.04	1.65	7.6	11	10	3	16	w.	
For the State	......	......	....	24.4	−6.3	66	25	−17	20	46	3.10	−0.51	2.56	9.6	10	13	5	11	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia 3-31-36-900

Daily Precipitation for February, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware				.40			.14		.90				1.80	.05		T.	.06	.30								.16	.12					3.93
Charlotteburg	Passaic				.32			.01		.61				.27	2.56			.02	.35									.17					4.31
Culvers Lake	Delaware			T.	1.10			T.		.66				.40	1.68			.03									.03						3.90
Dover	Passaic				.30			T.		.60	T.			*	2.38			.19									.05	.16					3.68
Layton	Delaware				.16					.57			T.	.30	1.40				.25								.02						2.70
Long Valley	Morris																																
Newton	Delaware			T.	.04			.01		.47	T.			.40	1.30	.01		.10	.21								T.	.12					2.66
Phillipsburg	...do			T.	.58			.26		1.05				.40	.81	.08	T.	.15	.19								.07	.13					3.72
Sussex	Hudson			T.	.50			T.		.58				.40	1.49			*	.65								.02						3.64
The Red Sandstone Plain.																																	
Boonton‖	Passaic				.27	.06		T.	T.	.07	.39				.86	.60		.04	.17	T.							T.	T.	.09				2.55
Canoe Brook‖	....do				.35	T.		T.	.05	.20	.15				.42	.13		.12	.11	.14							.02		.03				1.72
Chatham‖	....do				.24	.11			.18		.53				.46	.39		.09	.19	.22							T.		.33				2.74
Elizabeth	Coast			T.	.41			.03		.56				.15	.77	.02	T.	.11	.31								.05	.08					2.49
Flemington	Raritan			T.	.41			.11		.31				.16	.65	.06		.07	.25								.02	.16					2.20
Jersey City	Coast			.02	.35			.03		.46				.15	.90	.01	.01	.17	.30							T.	.02	.08					2.50
Lambertville	Delaware			.03	.40			.17		.54				.17	.79		T.	.08	.37								.05	.16					2.76
Little Falls‖	Passaic				.32	.03		.01		.38	.19				1.25	.22		.07	.19	.01							.02		.13				2.82
Newark***	Coast			.03	.36			.01		.52				.32	.70	.01	.08	.02	.36						T.	T.	.01	.08					2.50
New Brunswick	Raritan			T.	.39	T.		.09		.41				.11	.72	T.	T.	.08	.28								.01	.11					2.20
New Milford‖	Hackensack				.23	.08				.04	.49				.84	.52		.08	.14	.06									.08				2.56
Paterson	Passaic				.32			T.		.53				.11	1.17	.03	T.	.08	.18								.02	.06					2.50
Plainfield	Raritan			.03	.37			.08		.52				.28	.61	T.	.01	.04	.42									.09					2.45
Ridgefield**	Hackensack			.03	.28			.03		.59				.13	.85	.02	.04	.08	.22								.02	.07					2.36
Somerville	Raritan																																2.20
Woodcliff Lake‖	Hackensack				.24	.08				.04	.52				1.00	.31		.09	.11	.06									.08				2.53
New York, N. Y***	Coast			.03	.30			.03		.44				.32	.71	.01	.08	.09	.30							T.	.02	.08					2.41
The Southern Interior.																																	
Belleplain	Tuckahoe			.20	.85			.40		T.				.10	2.00		.10	T.	.20									.06					3.91
Bridgeton	Delaware			.42			.27	.32	.20	.35				1.60	.09		.06	.22	.07								.10						3.70
Burlington	Delaware			T.	.45			.30	T.	.46				.10	.87	.02		.04	.30									.15					2.69
Camden**	..do			T.	.51			.15		.60				.54	.69	T.	T.	.02	.28									.11					2.90
Freehold	Raritan			.02	.25			.18		.75				.10	.65	.07	.29		.21						T.		T.	.12					2.64
Hammonton	Mullica			T.	.68			.43		.61			T.	.14	1.63	.03	.02	.13	.37									.10					4.14
Hightstown	Raritan			.02	.38			.12		.47				.10	.84	.01	T.	.09	.28								.01	.16					2.48
Indian Mills	Mullica			T.	.60			.26		.54				.18	1.25			.18	.40									.14					3.55
Lakewood	Metedeconk			T.	.52			.20		.53				.16	.25		T.	.16	.32									.10					2.24
Maple Shade	Delaware			T.	.54			.30		.49			T.	.22	1.18	T.	.03	.03	.31									.16					3.26
Moorestown‖	....do			.41	.08		.02	.25	.06	.41			T.	1.58	T		.09	.23	.10									.15					3.38
Northfield	Coast			.05	.97			.45		.35				.10	2.02	.02	.04		.46									.07					4.53
Pemberton	Delaware			T.	.47			.12		.47				.16	.80	.03	T.	.09	.39									.12					2.65
Pleasantville‖	Coast			.30	.53	.33		.20	.30	.10	.42			T.	2.00	.09	.02	.63	.55	.09									.08				5.64
Runyon	Coast				.47			.14		.54					.75		T.	.20	.18									.42					2.70
Trenton***	Delaware			.02	.40			.18		.25		T.		.40	.52	T.	T.	T.	.29								.02	.12		T.			2.20
Trenton No. 2‖	....do				.33	.08		.03	.28	.09	.37			T.	.89	.31		.01	.22	.18							T.	.01	.11				2.91
Tuckerton	Coast																																4.62
Phila., Pa***	Delaware			T.	.39			.32		.56			T.	.62	1.13	.01	T.	.03	.29								T.	.11		T			3.46
The Sea Coast.																																	
Atlantic City***	Coast			.10	1.01			.35		.34				.62	1.08	.02	.08	.20	.88									.03					4.71
Long Branch**	....do			.04	.47			.23		.56				.34	1.40	.01	.25	.39	.53								T.	.08		.01			4.31
Sandy Hook***	....do			.03	.30			.13		.56				.22	.62	T.	.12	.12	.38								T.	.10		.02			2.60

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Stations.	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.11	30.53	8	29.36	14	13.8	46	nw.	27	64	57	56	59
Long Branch	30.11	30.54	8	29.33	4	12.4	40	ne.	14	77	64	66	55
New York, N. Y	30.09	30.51	8	29.34	4	13.8	46	nw	27	64	57	56	59
Philadelphia, Pa	30.12	30.55	8	29.40	4	11.7	29	n.	7	67	59	61	53
Ridgefield	30.09	30.50	8	29.34	4								
Sandy Hook	30.09	30.52	8	29.37	4	15.2	41	ne.	14	80	73	76	52
Trenton	30.12	30.55	8	29.39	4	9.4	26	nw.	18	78	66	68	56

Daily Temperatures for February, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	17	24	20	31	30	27	23	35	31	23	22	22	23	35	39	40	41	37	20	26	33	32	35	40	47	45	42	41	45	....	....	31.9
	Minimum	2	3	−4	14	18	7	9	9	8	−1	−3	1	3	18	26	16	26	18	−1	−1	−3	7	5	18	32	35	....	....	14	....	....	10.0[b]
Charlotteburg	Maximum	23	21	18	31	34	32	25	32	34	35	31	25	27	36	42	42	44	41	23	23	30	37	32	45	53	50	51	44	42	....	....	34.6
	Minimum	2	−3	5	14	17	9	10	5	6	4	10	4	5	14	25	10	28	17	−4	−8	−4	6	10	8	33	33	34	25	7	....	....	11.1
Dover	Maximum	18	21	18	35	28	26	18	30	34	23	22	22	20	32	45	33	43	32	....	24	32	29	33	36	52	48	40	38	41	....	....	31.2[a]
	Minimum	3	3	−1	15	12	9	12	6	8	7	4	8	12	18	27	14	31	2	−3	−5	1	9	9	15	34	38	35	24	12	....	....	12 4
Layton	Maximum	18	20	18	30	37	22	20	34	30	23	22	25	21	35	43	32	42	38	18	22	30	27	35	37	53	50	43	40	40	....	....	31.2
	Minimum	−16	0	−14	13	15	−6	7	−9	6	−10	−4	5	0	18	21	7	28	14	−4	−16	−10	1	−2	10	32	35	33	25	6	....	....	6.4
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	17	19	17	35	34	24	19	34	31	25	20	20	20	31	45	35	40	34	25	22	29	27	33	35	49	53	41	38	41	....	....	30.8
	Minimum	0	2	−1	13	15	7	8	3	21	7	1	7	11	15	25	15	25	11	−5	−4	2	6	10	16	33	35	34	24	14	....	....	12.1
Phillipsburg	Maximum	19	21	21	35	34	25	21	27	33	28	21	22	25	34	42	31	39	35	19	23	30	28	30	38	44	44	42	37	42	....	....	30.7
	Minimum	6	6	0	19	20	11	12	5	4	0	4	6	5	21	26	18	31	11	0	18	4	25	8	19	33	36	31	22	16	....	....	14.4
Sussex	Maximum	23	21	19	29	35	32	27	35	34	32	23	26	22	32	46	47	43	38	35	28	28	27	42	50	50	45	45	47	44	....	....	34.7
	Minimum	−2	−2	−9	14	8	−1	9	3	8	−9	−1	7	−1	15	27	12	26	16	−4	−6	−5	6	8	10	34	36	34	26	10	....	....	9.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	19	21	23	37	28	28	19	33	37	20	24	23	26	34	47	34	44	36	35	23	34	29	33	38	49	46	40	38	41	....	....	32.4
	Minimum	5	3	−2	6	16	11	12	5	8	0	3	5	5	15	26	16	21	33	0	−5	−1	5	11	14	21	36	35	28	13	....	....	11.9
Canoe Brook§§	Maximum	13	23	28	37	28	27	19	34	38	22	24	23	27	36	46	35	46	35	32	25	36	31	35	40	50	46	40	39	43	....	....	33.0
	Minimum	−1	3	−8	6	16	10	12	−2	2	1	0	−5	1	13	25	7	15	30	−4	−17	−10	6	2	6	20	33	33	26	8	....	....	7.9
Elizabeth	Maximum	20	23	22	33	37	27	25	33	37	40	27	29	27	36	44	40	47	44	28	27	34	35	38	40	49	54	56	41	45	....	....	35.8
	Minimum	4	5	4	19	20	12	14	5	10	10	5	8	10	21	29	25	32	22	−1	−3	4	15	11	16	35	36	37	27	18	....	....	15.5
Flemington	Maximum	23	28	22	33	36	32	24	38	42	29	26	24	23	36	53	40	45	38	25	25	35	34	40	41	48	49	42	44	50	....	....	35.3
	Minimum	4	3	−3	18	14	12	13	5	3	−1	−1	6	0	20	30	17	32	24	−1	−7	1	11	10	19	33	36	35	27	13	....	....	13.0
Jersey City	Maximum	20	25	25	38	31	28	23	33	39	24	26	24	28	36	45	36	44	38	19	26	32	31	35	40	50	50	44	41	44	....	....	33.6
	Minimum	7	9	12	24	20	15	15	10	20	12	7	10	16	23	30	29	32	14	2	9	12	16	15	27	36	41	34	30	25	....	....	19.0
Lambertville	Maximum	17	21	20	34	35	23	25	30	33	28	22	21	21	35	43	37	42	36	17	24	32	28	32	40	48	48	48	39	43	....	....	31.8
	Minimum	4	5	3	18	20	10	12	6	11	11	1	5	11	20	29	22	29	14	−2	1	18	9	8	22	33	38	34	27	22	....	....	15.2
Little Falls§§	Maximum	21	25	28	37	30	30	20	43	38	25	25	25	28	35	47	38	46	38	33	26	35	33	35	42	56	48	42	41	45	....	....	35.0
	Minimum	5	7	0	9	18	11	13	2	10	8	6	11	8	16	26	14	20	31	0	−5	−2	13	14	14	25	34	35	26	13	....	....	13.2
Newark	Maximum	19	22	21	38	30	26	20	29	37	23	23	22	24	34	40	34	44	36	17	24	31	29	33	40	49	48	42	40	42	....	....	31.6
	Minimum	6	8	8	20	19	14	14	9	14	10	8	10	14	22	29	21	32	5	1	5	12	15	17	22	35	41	34	29	22	....	....	17.1
New Brunswick	Maximum	17	22	23	34	37	24	22	29	36	29	22	21	23	35	45	39	41	38	20	22	34	34	31	39	50	47	47	43	46	....	....	32.8
	Minimum	6	6	2	18	21	12	13	8	7	12	5	7	8	21	29	22	31	20	0	−4	2	14	10	17	34	38	35	26	17	....	....	15.1
Paterson	Maximum	20	23	21	34	32	27	24	30	37	35	25	26	21	35	44	38	44	40	20	24	33	29	33	38	52	48	43	40	42	....	....	33.0
	Minimum	5	6	5	17	18	11	14	8	15	12	7	11	14	20	28	23	31	20	−1	1	8	14	14	21	36	40	37	28	20	....	....	16.7
Plainfield	Maximum	20	24	25	37	31	28	23	31	40	25	26	24	23	37	46	34	45	34	19	25	35	32	35	39	50	49	42	39	46	....	....	33.2
	Minimum	7	5	4	21	20	13	15	8	11	12	5	7	10	21	30	24	32	14	1	−4	5	16	10	17	34	36	34	28	19	....	....	15.7
Ridgefield	Maximum	19	22	21	38	28	25	17	30	35	19	22	24	22	31	43	31	41	34	16	22	31	29	32	39	49	45	40	36	42	....	....	30.4
	Minimum	5	6	4	19	17	10	13	5	15	7	6	9	14	19	27	21	31	3	0	2	7	13	13	19	35	39	32	25	17	....	....	14.9
Somerville	Maximum	26	30	26	30	27	29	22	39	39	28	27	24	20	40	48	46	46	37	36	28	42	38	40	34	50	50	50	46	56	....	....	36.0
	Minimum	8	6	2	12	20	17	16	13	12	14	5	11	13	20	25	27	36	28	6	6	7	13	13	14	29	42	41	29	21	....	....	17.4
New York, N. Y.	Maximum	20	25	25	39	30	28	23	34	38	23	26	24	29	36	44	38	43	39	19	26	30	30	35	40	50	52	45	42	43	....	....	33.7
	Minimum	7	10	13	25	20	15	14	10	23	12	7	11	18	23	30	30	32	6	2	11	17	14	16	27	37	43	34	30	29	....	....	19.5
The Southern Interior.																																	
Belleplain	Maximum	20	25	26	40	43	31	26	37	41	31	24	28	33	40	45	40	49	43	24	27	32	31	34	44	61	57	52	44	42	....	....	36.9
	Minimum	6	6	6	24	24	14	15	3	18	10	8	10	11	30	29	24	33	21	3	5	10	15	7	29	36	40	38	24	18	....	....	17.8
Bridgeton	Maximum	20	25	38	40	33	28	18	38	35	23	22	27	38	36	46	46	45	32	22	28	31	30	35	43	57	58	45	43	47	....	....	35.5
	Minimum	8	9	17	24	14	15	5	7	11	7	8	10	25	29	26	31	30	3	6	10	15	12	22	33	41	34	26	22	30	....	....	18.3
Burlington	Maximum	28	25	30	37	38	37	31	28	35	35	21	24	30	44	49	47	44	48	36	30	32	36	34	42	49	47	44	43	49	....	....	37.0
	Minimum	8	11	8	22	23	17	15	4	8	21	5	11	8	24	30	24	32	25	3	5	2	14	10	25	34	37	33	28	22	....	....	17.6
Camden	Maximum	18	22	25	37	32	27	24	29	33	24	25	24	32	35	41	34	41	36	21	23	31	27	34	41	48	48	43	41	49	....	....	32.6
	Minimum	10	12	12	23	22	18	15	9	9	7	7	9	10	30	30	26	33	6	4	4	10	15	16	26	34	37	35	27	24	....	....	17.9
Freehold	Maximum	15	21	24	37	35	25	20	28	38	33	18	23	25	32	39	33	41	38	18	22	30	28	31	37	47	45	41	38	44	....	....	31.2
	Minimum	7	8	6	23	23	15	14	4	26	11	6	9	20	24	29	23	29	17	1	3	7	14	11	21	35	39	33	28	21	....	....	17.5
Hammonton	Maximum	18	24	26	41	37	28	26	29	39	30	25	25	32	37	43	37	40	40	21	26	29	28	34	44	60	56	45	44	52	....	....	35.0
	Minimum	4	10	9	25	25	17	15	6	4	9	7	11	14	31	31	26	33	19	3	4	9	15	10	24	36	43	33	27	21	....	....	18.0
Hightstown	Maximum	16	20	25	37	35	24	22	26	36	31	22	21	25	34	47	39	43	39	18	23	32	30	31	40	48	44	42	39	47	....	....	32.3
	Minimum	5	8	4	20	21	14	14	3	4	3	16	8	10	22	29	20	31	18	0	−1	4	12	9	21	33	36	33	27	20	....	....	15.3
Indian Mills	Maximum	20	24	30	40	35	30	25	30	36	32	26	25	30	38	42	42	43	40	22	25	30	30	36	42	60	56	50	45	51	....	....	35.7
	Minimum	9	0	3	22	22	14	12	3	9	8	6	10	11	29	31	24	33	20	0	−1	5	15	6	22	36	43	33	26	19	....	....	16.2
Lakewood	Maximum	18	21	28	42	37	26	23	28	39	32	23	24	31	34	40	36	44	39	20	26	32	30	32	39	57	55	42	42	44	....	....	33.9
	Minimum	7	9	4	26	26	16	16	6	6	17	9	12	13	30	31	23	33	19	2	0	7	16	12	17	37	42	37	27	18	....	....	17.9
Maple Shade	Maximum	20	22	23	38	36	28	23	30	35	29	24	24	28	36	44	37	46	38	20	24	32	29	35	42	49	47	44	41	50	....	....	33.6
	Minimum	10	12	10	23	25	18	15	8	10	7	6	10	11	28	31	25	32	19	4	4	9	14	14	24	34	40	35	31	22	....	....	18.3
Moorestown	Maximum	19	22	24	39	31	27	23	30	34	22	23	24	33	34	42	34	43	35	19	23	30	28	34	42	48	47	44	39	47	....	....	32.4
	Minimum	10	10	10	22	24	18	15	7	10	6	5	9	11	30	29	25	33	10	3	4	7	14	14	25	34	41	35	25	23	....	....	17.6
Pemberton	Maximum	18	23	25	40	38	28	24	28	37	32	24	23	29	35	40	39	41	39	19	22	27	31	35	42	51	49	48	45	52	....	....	33.9
	Minimum	7	10	7	24	24	16	14	4	7	12	7	10	12	28	29	25	32	19	2	0	7	14	9	24	35	40	34	29	20	....	....	17.3
Pleasantville§§	Maximum	22	26	39	44	39	29	22	38	42	38	27	30	37	37	38	39	46	47	38	28	34	30	36	45	66	53	48	43	44	....	....	38.1
	Minimum	6	8	9	18	25	14	16	8	11	13	9	11	12	25	30	25	34	32	4	6	12	15	11	21	35	45	35	25	18	....	....	18.4
Runyon	Maximum	18	28	25	35	37	21	20	36	40	26	26	25	28	35	42	44	44	41	20	28	33	36	37	38	52	48	46	50	52	....	....	34.9
	Minimum	5	−4	5	20	14	9	14	2	−2	12	5	8	5	18	15	30	31	20	0	−14	−5	11	8	18	38	38	36	18	14	....	....	12.7
Trenton	Maximum	21	21	24	38	29	25	21	27	34	22	23	23	28	36	43	34	45	36	17	23	32	28	33	42	51	47	42	38	48	....	....	32.1
	Minimum	8	9	10	21	20	16	14	9	14	10	7	10	15	27	35	25	33	5	2	6	10	13	14	25	36	38	33	29	24	....	....	17.7
Tuckerton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Philadelphia, Pa.	Maximum	19	23	25	40	35	28	27	30	36	24	23	25	30	36	45	36	44	37	19	25	33	29	34	42	57	55	44	41	48	....	....	34.1
	Minimum	11	13	15	24	23	19	15	13	17	14	9	11	20	30	32	29	35	8	4	14	19	17	19	29	39	40	35	32	29	....	....	21.2
The Sea Coast.																																	
Atlantic City	Maximum	20	27	33	44	34	29	24	29	40	29	26	28	34	38	37	37	43	39	24	26	30	32	37	39	63	54	48	43	42	....	....	35.5
	Minimum	9	13	15	33	24	19	14	9	25	15	12	14	28	31	31	29	34	10	6	13	18	20	15	30	36	37	38	32	31	....	....	22.1
Long Branch	Maximum	17	21	27	40	32	24	21	29	40	23	23	21	31	32	37	35	44	40	18	24	31	28	31	39	53	48	40	38	40	....	....	32.0
	Minimum	7	9	8	27	20	15	13	7	8	12	9	11	15	28	28	27	33	6	2	3	10	18	14	21	37	36	34	28	22	....	....	17.5
Sandy Hook	Maximum	18	21	25	37	31	23	21	29	38	24	23	22	27	31	34	33	39	36	17	23	31	28	30	39	48	44	38	35	38	....	....	30.4
	Minimum	10	11	13	25	21	16	15	12	18	14	10	13	17	27	29	28	32	7	3	10	14	18	16	23	33	35	33	28	27	....	....	19.2

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

Vol. XLI. March, 1936. No. 3

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The outstanding characteristics of the month were its warmth and the two floods that occurred. The average temperature for the State was the third highest on record for March in a period extending back to 1885. Only five days averaged below the normal. The lowest temperatures were mostly between zero and twenty above. The highest were generally in the seventies.

There were light, scattered showers on about three days during the first and third decades, while the second experienced moderate to heavy rains that resulted in floods. The various subdivisions received the following percentages of normal amounts: The Highlands, 187%; Red Sandstone Plain, 151%; Southern Interior, 123%; Sea Coast, 95%: State, 140%.

A slow thaw, with very little additional precipitation, started about the 25th of February and continued through to March 10th. During these two weeks the snow and ice cover, containing from four to six inches of water, gradually disappeared prior to the advent of the heavy rains of the 11th and later, and a most threatening condition was greatly alleviated. However, the ground was still completely saturated and only a few inches down was still frozen, resulting in a complete and rapid runoff of the rains during the middle decade. The first flood reached its crest in the Delaware on the 13th and removed the ice jams with a resulting damage estimated at $200,000, mostly by the abrasion of bridges and other structures in their paths. The second flood reached its crest on the 19th and was from one to six feet higher than the first, generally the highest since 1903. Water damage was estimated at a total of $250,000.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 45.3°, which was 6.2° above normal. The highest temperature was 78° at 3 stations on the 30th, and the lowest, —1°, at Layton on the 2d. The greatest daily range of temperature was 44° at Runyon on the 29th. The highest monthly mean temperature was 48.4° at Hammonton and Pemberton, and the lowest, 41.4° at Layton.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, —0.7°; Red Sandstone Plain, —0.6°; Southern Interior, —1.1°; Sea Coast, —1.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 5.28 inches, which was 1.50 inches above normal. The average total snowfall at 20 selected stations was 1.4 inches, which was 3.4 inches below normal. The greatest monthly precipitation was 9.08 inches, at Charlotteburg, and the least, 2.07 inches at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 2.79 inches at New Milford on the 12th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +6.10 inches; Red Sandstone Plain, +4.18 inches; Southern Interior, +3.68 inches; Sea Coast, +2.29 inches

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 3, 4, 9, 10, 11, 12, 16, 17, 18, 19, 24, 25, 27.
Sleet: 5, 12, 21.
Thunderstorms: 12, 16, 17, 20, 21, 22.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	29.91	30.41	8	29.08	21	17.5	46	e.	11	83	75	78	50
Long Branch	29.91	30.41	8	29.05	21	12.4	50	nw.	22	78	64	73	52
Ridgefield	29.90	30.40	8	29.06	21	......	....	......	....	....	....	....	....
Sandy Hook	29.89	30.41	8	29.04	21	13.5	49	nw.	22	83	76	82	58
Trenton	29.90	30.41	8	29.05	21	10.2	33	se.	17	80	62	72	52

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	**30.4**	66	2	**1.10**	......	......	......	......	......
1886	37.7	70	9	3.70	......	......	......	......	......
1887	37.7	61	8	3.34	......	10	......	......	......
1888	32.8	72	0	5.71	......	11	......	......	......
1889	40.5	67	19	3.79	......	8	......	......	......
1890	37.6	78	0	6.08	......	14	......	......	......
1891	37.2	68	4	5.06	......	12	8	10	13
1892	34.4	64	6	4.75	......	9	10	12	9
1893	37.0	68	6	3.73	......	10	10	10	11
1894	44.2	83	12	1.77	......	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	**−15**	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	**7.61**	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	**20.5**	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	**49.1**	**92**	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
Period	39.1	92	−15	3.78	4.8	11	12	9	10

Climatological Data for March, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	44.2	+5.6	77	30	12	2	40	7.41	+3.72	1.83	T.	12	10	5	16	.....	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	44.4	+8.1	76	30	16	7†	40	9.08	+5.09	1.78	3.9	15	17	1	13	se.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	.....	.....	.....	.....	7	2	....	5.24	+1.92	1.23	7.3	13	11	5	15	e.	Brice E. Riker.
Dover	Morris	600	52	42.9	+7.0	74	30	9	2	36	8.00	+3.98	2.58	3.8	14	3	13	15	.....	William C. Harris
Layton	Sussex	480	35	41.4	+5.3	75	30	−1	2	42	6.41	+3.12	1.77	3.0	14	6	4	21	sw.	A. M. Depue.
Long Valley	Morris	520	6	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	S. N. Dilts.
Newton	Sussex	769	53	42.7	+6.7	76	31	10	7	35	5.21	+1.82	1.40	3.5	12	7	8	16	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	43.2[g]	+4.6	73	30	14	2	36	6.39	+3.05	1.42	0.8	12	22	3	6	.....	Town Engineer.
Sussex	Sussex	442	41	43.8	+6.9	77	30	8	2†	39	5.15	+2.00	1.33	2.8	13	15	4	12	.....	A. J. W. Mowatt
Means and extremes	.....	.....	....	43.2	+6.3	77	30	−1	2	42	6.61	+3.07	2.58	3.1	13	12	6	13	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	42.8	+7.4	75	30	9	7	33	5.16	+1.52	1.76	.....	13	10	6	15	ne.	John Kline.
Canoe Brook	Essex	173	6	42.5	.....	75	30	3	7	37	6.21	.....	1.69	.....	14	13	12	6	w.	N. J. Water Policy Comm.
Chatham	Morris	185	32	.....	.....	.....	.....	.....	.....	....	7.32	+3.28	2.70	.....	16	11	11	9	.....	Paul Molitor. Sr.
Elizabeth	Union	45	57	46.2	+6.8	75	30	18	7†	36	4.79	+0.83	0.94	1.5	15	17	5	9	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§50	46.0	+5.4	77	30	12	2	36	5.44	+1.78	1.18	2.5	14	14	7	10	e.	Hiram E. Deats
Jersey City	Hudson	10	38	46.0	+6.0	74	30	19	7	30	4.13	+0.11	1.00	1.3	14	7	13	11	s.	S. K. Pearson.
Lambertville	Hunterdon	430	49	44.0	+4.3	74	30	15	2	31	5.51	+1.72	1.13	T.	15	11	9	11	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	44.6	+7.3	76	30	10	2†	38	8.00	+4.23	2.61	4.5	16	10	10	11	e.	Passaic Valley Water Co
Newark	Essex	10	....	44.4	+5.1	72	30	18	2†	33	4.24	+0.34	1.17	1.7	16	4	16	11	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	45.5	+6.3	75	30	16	2	34	4.14	+0.58	0.87	0.7	15	10	12	9	e.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	.....	.....	.....	.....	.....	.....	....	6.49	+3.14	2.79	.....	11	....	....	....	.....	Hackensack Water Co
Paterson	Passaic	180	66	45.0	+5.6	74	30	15	7	32	5.92	+1.97	1.33	4.2	14	12	7	12	se.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	45.6	+6.5	76	30	18	2	37	5.72	+1.76	.....	1.8	17	9	14	8	sw.	S. K. Pearson.
Ridgefield	Bergen	80	19	44.4	+7.9	75	30	15	2†	32	6.33	+2.26	2.29	2.7	15	9	15	7	se.	George P. Kirsten.
Somerville (near)	Somerset	385	53	45.6	+6.8	72	30	12	7	35	5.91	+2.24	1.36	1.6	15	17	5	9	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	.....	.....	.....	.....	.....	.....	....	6.30	+3.23	2.50	.....	11	....	....	....	.....	Hackensack Water Co.
New York, N. Y.	.....	10	66	45.3	+7.6	72	30	17	7	26	3.97	+0.33	1.35	1.2	16	8	9	14	s.	U. S. Weather Bureau.
Means and extremes	.....	.....	....	44.8	+6.3	77	30	3	7	38	5.73	+1.93	2.79	2.2	14	11	10	10	e.	
The Southern Interior.																				
Belleplain	Cape May	30	42	47.0	+5.5	74	31	17	2†	36	7.09	+3.33	1.60	0	11	15	6	10	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	48.0	+5.4	74	30†	19	1	37	5.47	+1.63	1.22	T.	12	14	8	9	se.	Bennett K. Matlack
Burlington	Burlington	12	§50	48.2	+6.9	76	17	20	2†	36	5.72	+2.01	1.15	T.	13	9	10	12	sw	Public Service G. & E. Co.
Camden	Camden	20	4	47.4	.....	78	30	20	2	35	4.42	.....	1.17	T.	11	9	8	14	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	42.4[i]	.....	.....	.....	18	2	....	4.53	−0.12	1.20	T.	11	16	8	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	48.4	.....	77	30	19	8	38	6.21	+2.29	1.42	T.	11	4	20	7	w.	J. G. Wilson.
Hightstown	Mercer	110	43	46.0	+5.2	76	30	17	2	36	3.95	+0.17	1.00	0.1	15	9	10	12	s.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	47.8	+6.7	77	30	16	8	40	5.15	+1.07	1.27	0	9	7	13	11	s.	James M. Armstrong.
Lakewood	Ocean	54	32	46.2	+5.9	72	30	17	8	38	3.33	−0.84	0.92	T.	12	6	12	13	sw.	R. W. Holman.
Maple Shade	Burlington	65	1	48.2	.....	78	30	20	2	36	5.01	.....	1.07	T.	13	5	8	18	w.	Richard J. Smith.
Moorestown	Burlington	62	73	46.9	+7.1	76	30	20	2	34	4.56	+0.88	1.06	T.	12	5	13	13	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	.....	.....	.....	.....	.....	.....	....	4.40	+0.96	0.99	0	11	....	....	....	.....	William L. Flick.
Pemberton	Burlington	55	6	48.4	.....	78	30	18	8	38	3.51	.....	0.95	0	12	15	4	12	s.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	44.8	.....	75	31	18	8	33	4.56	+1.15	1.60	.....	13	13	5	13	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	47.0	.....	77	30	15	3	44	4.13	+1.03	1.77	.....	10	14	13	4	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	46.4	+7.3	75	30	19	2	32	3.78	+0.38	1.13	T.	14	5	9	17	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	.....	.....	.....	.....	.....	.....	....	4.15	.....	1.14	T.	13	....	....	....	.....	Edward H. Ristow.
Tuckerton	Ocean	23	43	47.0[c]	+5.9	72	31	25	6	28	2.07	−2.06	0.35	0	12	12	8	11	n.	John H. Brown.
Philadelphia, Pa.	.....	26	65	48.3	+7.5	75	30	24	2	28	4.02	+0.63	1.14	T.	14	5	9	17	s.	U. S. Weather Bureau.
Means and extremes	.....	.....	....	46.9	+6.2	78	30	15	3	44	4.56	+0.85	1.77	T.	12	10	10	11	s.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	43.8	+5.2	73	31	24	2	28	3.87	+0.27	1.29	T.	16	5	7	19	s.	U. S. Weather Bureau
Long Branch	Monmouth	25	28	43.5	+4.1	71	31	18	8	31	3.92	−0.25	1.20	T	13	6	11	14	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	42.8	+3.5	67	30	22	7	24	3.40	−0.64	1.09	0.2	16	5	11	15	s.	U. S. Weather Bureau
Means and extremes	.....	.....	....	43.4	+4.3	73	31	18	8	31	3.73	−0.21	1.29	0.1	15	5	10	16	s.	
For the State	.....	.....	....	45.3	+6.2	78	30	−1	2	44	5.28	+1.50	2.79	1.4	13	10	9	12	s.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-5-4-36-900

Daily Precipitation for March, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	T.	.25	....	T.	....	....	....	....	....	1.83	.77	.06	....	....	T.	.43	1.60	.56	.06	.78	....	T.	.07	....	....	.83	.17	....	....	....	7.41
Charlotteburg	Passaic	....	....	.32	....	.05	....	....	....	....	....	1.74	1.78	.03	.09	....	....	.17	1.75	1.35	.10	.92	.03	....	....	.09	....	.60	.06	....	....	....	9.08
Culvers Lake	Delaware	....	T.	.45	....	.02	....	....	....	T.	.05	.10	....	.03	....	....	....	.25	1.23	1.15	.33	.68	....	....	.02	....	....	.78	.15	....	....	....	5.24
Dover	Passaic	....	T.	.30	....	.06	....	....	....	....	*	2.58	.68	T.	....	....	.08	.20	1.53	.68	....	.90	....	....	.11	.03	....	.62	.23	....	....	T.	8.00
Layton	Delaware	....	T.	.10	....	.03	....	....	....	....	....	.15	.92	.06	....	....	....	.52	1.77	.97	.03	.78	....	....	.03	.09	....	.76	.20	....	....	....	6.41
Long Valley	Morris	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Delaware	....	T.	.13	....	.03	....	....	....	T.	....	.60	....	.02	T.	....	T.	.40	1.40	.87	.05	.75	.01	....	....	T.	....	.80	.15	....	....	....	5.21
Phillipsburg	...do	....	.08	.20	....	T	....	....	....	T.	T.	.81	.35	T.	....	....	T.	.60	1.42	1.06	T.	.75	....	.15	T.	.03	....	.82	.12	....	....	T.	6.39
Sussex	Hudson	....	....	.25	....	.03	....	....	....	....	....	.30	.95	.04	....	....	....	.22	1.33	.46	....	.52	....	....	.06	.03	....	.68	.28	....	....	....	5.15
The Red Sandstone Plain.																																	
Boonton ‖‖	Passaic	....	....	.30	....	....	.07	....	....	....	T.	.14	1.76	.01	T.	....	....	T.	.93	.52	.05	.73	.01	....	.04	T.	....	.12	.48	....	....	....	5.16
Canoe Brook ‖‖	....do	....	....	.28	....	....	.08	....	....	....	....	.38	1.89	.07	T.	....	....	T.	1.02	.67	.07	.86	.05	....	.04	.07	....	.12	.61	....	....	....	6.21
Chatham ‖‖	....do	....	....	.28	....	....	.16	....	....	....	T.	.37	2.70	.04	.07	....	....	.04	1.07	.74	.13	.92	.09	....	.04	.02	....	.18	.47	....	....	T.	7.32
Elizabeth	Coast	....	....	.13	....	.10	T.	....	....	....	.03	.94	.58	T.	.01	....	....	.07	.86	.45	.20	.60	.06	....	.06	T.	....	.40	.30	....	....	....	4.79
Flemington	Raritan	....	....	.16	....	.06	....	....	....	T.	....	.98	.67	.03	T.	....	....	.19	1.18	.33	....	.52	.11	....	.03	.04	....	.87	.27	....	....	T.	5.44
Jersey City	Coast	....	T.	.08	....	.14	....	....	....	....	.01	1.00	.45	.01	....	....	....	.02	.70	.56	....	.48	.01	....	.03	....	....	.32	.32	....	....	T.	4.13
Lambertville	Delaware	....	....	.15	....	.15	....	....	....	....	....	T.	1.13	.82	.04	.03	....	....	.24	1.13	.20	.04	.55	....	.11	.02	....	.42	.48	....	....	....	5.51
Little Falls ‖‖	Passaic	....	....	.35	....	....	.10	....	....	....	....	.23	2.61	.04	.01	....	....	.01	1.67	1.01	.11	.95	.01	....	.07	.02	....	.15	.66	....	....	....	8.00
Newark***	Coast	....	.11	.03	....	.10	....	....	....	T.	.01	1.17	.04	.02	....	....	T.	.09	1.13	.22	.25	.45	T.	.01	.03	....	....	.52	.06	....	....	T.	4.24
New Brunswick	Raritan	....	....	.06	....	.04	.02	....	....	....	....	.85	.47	T.	T.	....	....	.06	.87	.25	.09	.51	.05	....	.03	.01	....	.49	.34	....	....	....	4.14
New Milford ‖‖	Hackensack	....	....	.14	....	....	.06	....	....	....	....	.19	2.79	....	....	....	....	....	1.01	.53	.11	.83	....	....	.02	....	....	.04	.77	....	....	....	6.49
Paterson	Passaic	....	....	.29	....	.07	....	....	....	T.	.02	1.33	.83	T.	.01	....	....	.14	1.03	.91	.08	.79	.01	....	.03	T.	....	....	.38	....	....	T.	5.92
Plainfield	Raritan	....	*	.20	....	18	....	....	....	....	....	*	2.02	.02	.02	...	T.	*	1.43	.13	.02	.72	.01	T.	.01	.01	....	.62	.33	....	T.	T.	5.72
Ridgefield**	Hackensack	....	....	.18	....	.14	....	....	....	T.	T.	2.00	.29	T.	.05	....	T.	.03	.97	.89	.12	.83	....	.02	.04	.01	....	.40	.36	....	....	....	6.33
Somerville	Raritan	....	....	.16	....	.05	T.	....	....	T.	T.	1.36	.87	.02	....	....	....	.06	1.36	.36	.09	.62	.03	....	.04	.01	....	.60	.28	....	....	....	5.91
Woodcliff Lake ‖‖	Hackensack	....	....	.15	....	....	.04	....	....	....	....	.14	2.50	....	....	....	....	....	1.01	.73	.09	.82	.02	....	....	....	....	.03	.77	....	....	....	6.30
New York, N. Y***	Coast	....	.05	.02	....	.14	....	....	....	....	.01	1.09	.28	.01	....	....	....	.06	.97	.16	.11	.37	T.	.02	.02	....	....	.53	.13	....	....	T.	3.97
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	.89	....	....	....	....	....	....	.55	1.10	.45	.05	....	....	....	....	1.05	T.	.05	.50	.20	....	....	....	....	1.60	.65	....	....	....	7.09
Bridgeton	Delaware	....	.20	....	....	T.	....	....	....	....	.52	.76	.45	T.	....	....	.10	.97	.15	.12	.63	.23	....	....	....	....	.12	1.22	....	....	....	....	5.47
Burlington	Delaware	....	....	.10	....	.09	T.	....	....	....	....	.79	1.15	.05	....	....	....	.07	1.00	.30	.07	.35	.50	....	....	....	....	.85	.40	....	....	....	5.72
Camden**	..do	....	.06	T.	....	.06	....	....	....	....	T.	1.02	.32	T.	....	....	T.	.25	.65	.18	.15	.45	....	....	....	....	....	1.17	.11	....	....	....	4.42
Freehold	Raritan	....	....	.10	....	....	....	....	....	....	....	1.20	.58	.03	T.	....	....	.03	.96	.23	....	.58	.05	....	T.	....	....	.37	.40	....	....	....	4.53
Hammonton	Mullica	....	....	.22	....	T.	....	T.	....	T.	T.	1.42	.69	T.	....	....	....	.07	.98	.11	.02	1.10	.13	....	T.	....	....	.90	.57	....	....	T.	6.21
Hightstown	Raritan	T.	....	.05	....	.10	....	....	....	....	T.	.94	.41	.02	.01	....	....	.01	1.00	.07	.07	.45	.03	....	.02	....	..	.41	.36	....	....	....	3.95
Indian Mills	Mullica	....	....	....	....	T.	....	....	....	....	....	1.00	1.27	....	....	....	....	.04	.66	.14	.10	.58	....	....	....	....	....	.73	.63	....	....	....	5.15
Lakewood	Metedeconk	....	....	.17	....	T.	....	....	....	T.	T.	.30	.40	.02	....	....	....	T.	.92	.08	.09	.45	.05	....	.02	....	....	.40	.43	....	....	....	3.33
Maple Shade	Delaware	....	....	.09	....	.08	....	....	....	....	.03	1.05	.66	T.	T.	....	....	.10	1.07	.13	.02	.53	.01	....	T.	....	....	.89	.35	....	....	T.	5.01
Moorestown ‖‖	....do	....	.08	....	....	.07	....	....	....	T.	.39	.93	.32	T.	....	....	T.	1.06	.05	.10	.33	.17	....	T.	....	....	.09	.97	....	....	....	....	4.56
Northfield	Coast	T.	....	.34	...	....	....	....	....	....	.02	.93	.23	....	....	....	....	.01	.93	.04	T.	.26	.09	....	....	T.	....	.99	.56	....	....	....	4.40
Pemberton	Delaware	....	....	.14	....	.04	.04	....	....	....	T.	.70	.51	T.	T.	....	....	.06	.89	.01	.05	.37	....	....	....	....	....	.39	.31	....	....	....	3.51
Pleasantville ‖‖	Coast	....	....	.27	....	....	....	....	....	....	.02	.64	.36	.12	T.	....	....	....	.97	.03	.08	.12	.26	....	T.	.01	....	.08	1.60	....	....	....	4.56
Runyon	Coast	....	.06	....	....	....	....	....	....	....	...	1.12	.65	....	....	....	....	....	.95	.22	.06	.41	.07	....	....	....	....	.45	.14	....	....	...	4.13
Trenton***	Delaware	....	.03	.04	....	.07	....	....	....	....	T.	1.02	.30	T.	....	T.	T.	.17	.72	.09	.03	.40	T.	.03	.01	....	....	.79	.08	....	....	....	3.78
Trenton No. 2 ‖‖	....do	....	....	.08	....	....	.08	....	....	....	....	.16	1.14	T.	T.	....	....	....	1.13	.05	.05	.37	.04	....	.03	.01	....	.09	.92	....	....	....	4.15
Tuckerton	Coast	....	....	.35	....	....	....	....	....	....	.10	.24	.19	.03	....	....	....	....	.34	.14	.06	.14	.06	....	....	....	....	.26	.16	....	....	....	2.07
Phila., Pa***	Delaware	....	.07	.02	....	.06	....	....	....	....	.01	.80	.35	T.	....	....	....	.22	.57	.13	.15	.49	.01	....	T.	....	....	1.06	.08	....	....	T.	4.02
The Sea Coast.																																	
Atlantic City***	Coast	.01	.05	.29	....	T.	....	T.	....	.03	.09	.78	.07	T.	....	....	T.	.29	.66	.09	.03	.15	.01	T.	.03	....	T.	.99	.30	....	....	....	3.87
Long Branch**	....do	.01	T.	.15	....	.06	....	....	....	T.	....	1.20	.28	T.	....	....	....	.06	.86	.08	.16	.36	T.	.01	....	....	T.	.53	.16	....	....	....	3.92
Sandy Hook***	....do	.01	.03	.01	....	.06	....	....	...	T.	.02	.96	.19	.03	....	....	....	.06	.86	.08	.12	.44	....	.01	T.	....	....	.42	.10	...	....	....	3.40

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	*	.142	*	.032	.080	*	*	.160	*	.004	*	.032	.048	.064	.128	.096	.106	.046	.048	.088	.164	.160	.160	.090	.080	.048	.032	.144	.192	.160	.256	2.560
	Wind movement	62	67	38	72	62	*	*	143	66	89	152	86	63	150	34	115	110	102	78	111	127	123	48	39	64	72	92	80	127	132	85	2589
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for March, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	41	38	38	47	42	34	36	41	50	60	52	51	40	46	54	61	70	59	50	60	51	56	68	64	71	65	58	61	72	77	65	54.1
	Minimum	23	12	29	24	24	20	14	14	32	37	44	39	29	36	30	43	46	45	40	34	40	37	37	43	46	37	43	41	32	45	45	34.2
Charlotteburg	Maximum	44	38	34	47	49	40	37	40	50	55	57	53	51	54	64	64	63	58	58	58	54	56	63	68	69	63	64	59	68	76	70	55.6
	Minimum	21	17	32	20	29	17	16	16	30	33	44	42	28	29	28	40	48	44	43	34	40	38	35	41	43	32	36	40	28	41	45	33.2
Dover	Maximum	36	33	41	47	41	30	26	39	42	58	51	54	38	54	65	59	65	57	51	57	47	53	63	62	70	61	51	60	67	74	63	52.1
	Minimum	23	9	29	21	29	21	11	11	37	36	45	35	28	38	30	39	51	49	37	35	35	35	36	43	41	36	48	41	31	46	38	33.7
Layton	Maximum	37	36	48	44	39	34	34	38	39	55	50	49	40	51	67	52	68	60	53	60	48	52	62	66	72	65	55	60	68	75	65	53.0
	Minimum	18	−1	28	18	30	15	2	3	33	33	42	37	30	29	27	36	40	50	37	33	36	35	31	34	42	30	38	35	26	40	40	29.9
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	38	28	38	46	40	29	35	38	45	49	49	53	36	51	67	57	67	59	53	58	49	51	60	65	72	63	58	60	68	74	76	52.6
	Minimum	19	17	27	26	25	17	10	12	31	34	39	35	26	29	33	41	38	49	37	33	37	38	34	40	45	37	41	40	33	46	48	32.8
Phillipsburg	Maximum	36	35	38	44	42	33	34	40	51	61	52	....	....	....	....	....	63	....	....	55	45	55	62	60	70	60	58	68	70	73	68	53.0^{g}
	Minimum	21	14	31	25	31	22	18	19	33	38	46	....	....	....	....	....	40	....	....	41	40	36	38	45	38	38	42	38	34	45	32	33.5^{g}
Sussex	Maximum	40	40	40	47	45	40	40	42	47	55	50	52	40	55	69	66	66	61	53	62	55	50	65	65	67	67	57	56	67	77	67	54.9
	Minimum	22	8	29	22	30	17	8	8	33	35	40	37	29	30	30	39	40	51	45	35	39	36	35	42	46	35	42	37	31	43	44	32.8
The Red Sandstone Plain.																																	
Boonton§§	Maximum	34	35	42	45	41	38	33	40	45	59	53	54	44	53	65	60	66	59	55	59	51	54	65	62	64	61	59	59	62	75	65	53.4
	Minimum	15	11	18	22	28	18	9	10	15	35	38	41	32	30	32	36	44	46	42	34	38	38	39	41	43	37	39	45	32	42	45	32.1
Canoe Brook§§	Maximum	36	35	46	47	40	38	37	42	47	61	53	55	48	56	64	64	65	57	55	60	50	55	63	61	63	60	60	61	64	75	65	54.3
	Minimum	21	5	22	17	30	11	3	6	19	33	38	43	30	28	28	36	48	46	42	33	40	36	35	41	41	34	36	41	27	40	42	30.7
Elizabeth	Maximum	45	42	44	51	51	34	41	42	51	61	53	57	49	56	63	58	62	56	57	60	50	56	64	60	59	58	60	64	70	75	69	55.4
	Minimum	28	19	32	26	33	23	18	18	34	40	45	46	33	30	38	44	51	49	44	37	42	38	35	45	45	40	41	45	34	44	48	36.9
Flemington	Maximum	41	35	43	44	44	38	38	44	50	58	54	56	43	60	69	60	69	60	53	61	65	58	68	66	72	61	61	65	68	77	67	56.4
	Minimum	26	12	31	22	32	24	18	17	33	37	46	42	32	32	33	41	55	50	43	34	43	37	35	44	43	39	41	42	33	41	46	35.6
Jersey City	Maximum	40	36	44	49	44	35	38	42	52	62	53	54	40	55	63	60	61	58	56	60	50	54	63	60	61	60	60	62	69	74	67	54.3
	Minimum	28	22	32	32	30	28	19	24	35	44	45	37	32	32	42	46	50	48	42	37	38	38	39	46	42	41	43	46	39	51	40	37.7
Lambertville	Maximum	40	37	38	39	48	39	35	34	42	52	59	52	54	39	58	68	71	66	58	51	56	48	50	63	70	58	59	60	68	74	68	53.4
	Minimum	17	15	17	30	32	27	24	17	18	33	38	43	38	30	29	38	48	53	48	38	33	40	30	40	42	38	42	42	37	46	50	34.6
Little Falls§§	Maximum	36	38	45	51	47	40	39	43	48	61	53	55	48	57	66	60	60	58	57	61	52	57	67	62	62	63	61	62	70	76	75	55.8
	Minimum	24	10	22	23	32	17	10	12	14	35	41	40	31	30	32	39	44	48	44	36	41	37	35	44	45	40	41	44	32	46	49	33.5
Newark	Maximum	37	36	44	48	42	32	35	40	52	61	51	56	40	56	62	58	57	55	52	55	48	54	63	55	57	58	59	61	70	72	65	52.6
	Minimum	23	18	31	30	30	24	18	20	35	39	44	37	30	31	37	42	46	48	39	38	40	40	38	45	45	42	44	45	37	48	40	36.3
New Brunswick	Maximum	44	34	40	48	45	32	36	43	54	53	50	56	44	58	64	62	68	58	55	61	53	55	63	62	63	59	61	60	69	75	72	54.7
	Minimum	28	16	32	24	32	25	18	17	33	38	42	43	42	30	36	41	55	47	43	36	41	38	35	43	43	39	41	44	35	45	52	36.3
Paterson	Maximum	37	35	45	49	43	32	34	41	47	59	53	55	46	55	64	59	59	60	56	59	51	53	63	59	59	62	56	62	68	74	66	53.6
	Minimum	18	16	31	30	31	24	15	18	33	39	45	46	32	32	36	41	48	51	45	37	42	38	38	45	46	41	43	45	36	50	39	36.5
Plainfield	Maximum	36	36	41	48	42	34	36	44	53	62	51	56	43	57	66	63	67	58	56	60	49	57	63	63	64	60	60	62	70	76	68	54.9
	Minimum	28	18	32	25	30	28	19	20	35	40	45	39	32	30	36	42	51	50	44	35	39	38	34	45	42	40	42	45	33	43	45	36.3
Ridgefield	Maximum	34	37	43	48	38	32	35	41	49	60	55	51	41	56	62	58	62	55	55	58	50	54	63	58	57	61	57	62	70	75	66	53.0
	Minimum	19	15	31	28	24	21	15	17	37	38	43	36	33	31	36	42	54	48	39	37	44	38	37	46	42	42	44	42	38	49	40	35.7
Somerville	Maximum	54	40	41	44	42	33	35	41	51	63	51	54	46	54	66	68	67	58	52	59	49	54	61	64	64	66	62	59	67	72	68	55.0
	Minimum	29	20	30	27	37	23	12	17	32	39	45	46	30	38	31	44	54	50	42	34	40	36	33	44	44	39	41	41	36	48	43	36.3
New York, N. Y.	Maximum	40	36	44	49	47	35	39	42	52	61	54	53	39	54	61	57	57	56	54	56	50	52	63	58	58	58	57	60	66	72	66	53.1
	Minimum	24	23	32	34	30	23	17	25	35	45	45	36	31	32	44	47	47	47	37	38	38	38	40	47	42	42	43	46	42	52	40	37.5
The Southern Interior.																																	
Belleplain	Maximum	44	41	50	60	57	45	38	44	59	65	55	57	46	63	70	72	68	58	53	56	50	52	52	69	70	54	58	64	70	73	74	57.6
	Minimum	31	17	31	24	29	27	20	17	33	43	47	39	34	27	39	50	53	45	36	32	39	36	34	44	40	44	42	45	35	44	51	36.4
Bridgeton	Maximum	42	44	47	60	57	40	38	49	63	68	57	57	45	67	70	73	67	59	51	59	45	58	60	68	72	55	58	62	73	74	74	58.5
	Minimum	19	30	26	32	23	24	21	35	44	48	47	32	31	45	42	50	44	38	32	43	37	36	41	43	38	43	45	37	44	51	37	37.4
Burlington	Maximum	52	49	44	55	52	36	33	47	62	68	60	59	47	60	73	75	76	60	63	60	60	56	57	61	68	62	60	65	69	72	60	58.7
	Minimum	30	20	32	26	33	26	21	20	33	38	42	42	33	31	37	41	56	47	43	36	43	38	39	45	43	41	45	47	37	46	56	37.6
Camden	Maximum	37	42	45	55	49	33	34	48	64	65	56	55	43	60	72	73	67	57	51	62	49	57	63	66	71	60	61	64	72	78	69	57.4
	Minimum	26	20	30	21	30	26	24	22	34	41	45	36	34	34	38	50	55	45	40	37	39	41	40	45	44	42	47	44	37	48	45	37.4
Freehold	Maximum	38	38	42	54	45	33	28	41	53	59	49	49	42	55	67	68	58	54	49	54	44	52	....	....	....	....	....	....	....	....	....	48.7^{i}
	Minimum	28	18	32	26	33	24	20	20	31	38	43	41	30	30	34	45	53	48	41	34	41	35	40	42	40	39	39	43	35	45	50	36.1
Hammonton	Maximum	41	42	46	63	56	38	46	47	64	66	56	58	44	64	72	75	69	61	56	61	50	57	66	73	74	58	60	63	72	77	72	59.6
	Minimum	32	20	36	25	35	25	24	19	30	44	48	39	32	30	39	47	54	46	40	33	39	37	35	41	42	40	45	46	36	44	51	37.2
Hightstown	Maximum	42	35	39	52	44	33	35	44	57	61	52	57	41	59	70	73	67	58	56	58	49	54	63	63	69	60	61	60	69	76	69	55.7
	Minimum	29	17	32	27	33	26	20	19	34	38	41	40	30	31	34	45	55	48	42	35	42	37	36	43	39	39	42	44	33	44	52	36.4
Indian Mills	Maximum	45	43	47	61	52	42	39	46	62	68	58	55	44	64	73	76	68	62	54	61	50	57	67	71	74	58	60	64	73	77	73	59.5
	Minimum	32	18	24	24	34	22	21	16	33	44	49	38	31	27	35	45	54	46	40	31	43	37	31	43	39	40	45	45	33	40	55	36.0
Lakewood	Maximum	39	37	45	55	50	36	33	39	57	59	50	58	46	60	67	71	61	55	55	55	50	57	63	65	60	55	59	62	70	72	71	55.2
	Minimum	32	32	34	24	33	24	22	17	31	36	45	46	32	33	35	45	52	49	42	35	42	38	36	43	44	40	41	45	32	46	49	37.3
Maple Shade	Maximum	41	43	46	56	49	35	33	48	65	65	55	56	43	62	73	74	72	62	55	63	50	58	64	66	72	66	61	63	71	78	69	58.5
	Minimum	30	20	34	28	35	26	23	21	34	41	44	39	33	33	37	49	55	46	42	35	40	38	36	45	42	41	45	46	35	44	56	37.8
Moorestown	Maximum	36	42	44	55	48	33	33	46	63	65	57	56	43	61	71	74	69	60	52	59	47	57	62	65	71	58	61	62	70	76	67	56.9
	Minimum	27	20	33	28	30	26	24	22	31	41	44	36	33	32	37	46	54	46	41	35	40	38	38	45	41	41	45	46	36	45	42	36.9
Pemberton	Maximum	45	42	42	61	59	50	34	47	63	66	58	57	43	62	74	75	68	60	58	61	50	58	65	68	71	58	61	63	71	78	72	59.4
	Minimum	32	21	33	26	35	25	23	18	34	44	46	42	32	31	36	48	53	47	42	33	39	37	34	43	40	39	44	46	39	45	53	37.4
Pleasantville§§	Maximum	39	41	45	48	51	40	34	47	49	57	54	54	47	54	58	56	59	57	50	54	47	57	58	65	59	52	58	64	66	69	75	53.7
	Minimum	29	19	30	26	33	26	24	18	25	41	45	43	34	31	39	42	45	45	40	34	42	37	34	41	40	40	41	46	33	44	47	36.0
Runyon	Maximum	37	46	51	52	48	38	36	44	60	56	57	57	52	62	67	65	67	60	57	59	61	58	60	60	58	58	60	62	72	77	72	57.1
	Minimum	29	20	15	30	24	18	16	16	40	36	40	42	38	30	36	47	58	40	42	37	42	46	50	48	44	50	44	40	24	60	40	37.0
Trenton	Maximum	37	38	41	54	45	32	34	45	58	62	56	57	41	59	70	71	67	56	52	59	49	56	64	63	71	58	61	61	69	75	66	55.7
	Minimum	24	19	32	29	32	24	20	23	36	40	43	35	33	32	38	48	55	47	39	37	37	39	39	45	41	40	45	46	39	48	42	37.0
Tuckerton	Maximum	....	....	....	48	55	45	40	38	53	60	51	55	55	48	58	55	59	58	50	55	56	60	60	64	60	57	58	65	69	70	72	56.2^{c}
	Minimum	....	....	....	33	33	25	28	26	34	36	45	40	34	34	40	40	46	44	40	36	35	45	35	40	36	38	39	45	45	42	46	37.9^{c}
Philadelphia, Pa.	Maximum	42	41	46	55	50	37	34	45	63	64	56	57	42	60	69	72	66	59	48	59	49	57	60	65	71	58	61	62	70	75	68	56.8
	Minimum	29	24	35	32	36	29	25	28	37	45	45	37	35	36	41	53	53	47	39	38	39	41	44	46	46	42	46	48	44	50	45	39.8
The Sea Coast.																																	
Atlantic City	Maximum	39	40	41	44	45	41	31	42	46	53	49	49	45	48	51	49	51	50	46	50	48	57	52	62	51	46	57	63	58	62	73	49.6
	Minimum	28	24	32	30	32	27	27	28	38	41	41	38	37	38	41	42	45	43	40	40	37	37	40	44	39	39	42	49	45	47	45	37.9
Long Branch	Maximum	36	35	45	47	44	33	31	38	59	52	47	56	41	58	60	60	54	49	52	51	48	55	61	58	50	56	58	62	64	70	71	51.6
	Minimum	26	25	33	30	29	23	20	18	35	37	40	35	31	32	35	43	45	40	38	36	38	39	37	43	39	39	44	41	36	50	40	35.4
Sandy Hook	Maximum	35	35	40	46	40	31	31	36	49	44	47	54	41	52	55	58	52	51	50	51	46	52	56	56	50	53	55	58	66	67	63	49.0
	Minimum	28	25	33	31	31	25	22	26	35	35	40	37	33	35	37	40	46	41	40	38	40	40	40	42	39	39	41	44	42	47	42	36.6

^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON. N. J.

VOL. XLI. APRIL, 1936. No. 4.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April averaged rather cool, with nearly normal amounts of precipitation over the northern half of the State and below normal in the southern portion. There were several markedly warm periods but they lasted only a day or two at a time and occurred on the 6th, 15th, 21st, and 29-30th. Nearly all of the remaining days were below normal. The highest temperatures were recorded rather generally on the 29th and 30th and were mostly in the eighties, while the lowest occurred on various dates and were practically all below the freezing point.

The first sixteen days were quite rainy, only a few days failing to experience some precipitation. The remaining fourteen days had only light and rather scattered showers, these occurring on the 21st, 22d and 26th. The percentages of normal amounts over the various subdivisions were as follows: The Highlands, 108%; Red Sandstone Plain, 97%; Southern Interior, 71%; Sea Coast, 78%; State, 89%. The snowfall was generally of inappreciable amounts, except in the Highlands. No damage by winds, hail or lightning was reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 48.0°, which was 1.7° below normal. The highest temperature was 90° at Burlington on the 30th, and the lowest, 19°, at Canoe Brook and Layton on the 25th. The greatest daily range of temperature was 51° at Runyon on the 22d. The highest monthly mean temperature was 51.6° at Burlington, and the lowest, 45.4°, at Canoe Brook and Layton.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, —1.0°; Red Sandstone Plain, —0.8°; Southern Interior, —1.2°; Sea Coast, —1.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 3.23 inches, which was 0.38 inch below normal. The average total snowfall at 20 selected stations was 0.1 inch, which was 1.1 inches below normal. The greatest monthly precipitation was 4.55 inches, at Little Falls, and the least, 2.05 inches at Indian Mills. The greatest amount of precipitation in any 24 consecutive hours was 2.60 inches at Boonton on the 6th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands. +6.38 inches; Red Sandstone Plain, +4.06 inches; Southern Interior, +2.63 inches; Sea Coast, +1.49 inches

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 10, 12, 15, 16.
SLEET: 1, 2, 7, 9, 10.
THUNDERSTORMS: 3, 15, 16, 26, 30.

OBITUARY.

The passing of Mr. S. N. Dilts, Cooperative Observer at Long Valley, on May 8, 1936, is announced with great regret. Mr. Dilts undertook the work of keeping the weather record at Long Valley in July, 1929, where there had previously been no station and where one was much needed. He rendered faithful and efficient public service until his failing health no longer permitted.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.06	30.57	9	29.41	2	16.5	57	s.	6	72	64	70	50
Long Branch	30.04	30.56	9	29.39	2	13.4	45	nw.	7	70	63	68	53
Ridgefield	30.03	30.54	9	29.43	2	......	....	......	....	....	....	....	....
Sandy Hook	30.02	30.52	9	29.42	2	15.3	55	s.	6	74	77	72	57
Trenton	30.04	30.55	9	29.43	2	11.5	38	s.	6	68	68	52	57

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	....	......	......	......	......
1886	50.6	86	27	3.40	....	......	......	......	......
1887	47.3	87	16	2.70	....	7	......	......	......
1888	47.9	92	22	3.28	....	9	......	......	......
1889	51.2	83	25	5.32	....	12	......	......	......
1890	50.4	86	21	2.65	....	8	......	......	......
1891	52.0	88	20	2.19	....	8	13	11	6
1892	49.3	87	19	2.49	....	8	9	13	8
1893	49.2	82	19	5.21	....	11	9	10	12
1894	50.3	88	10	3.09	....	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	**1.35**	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	**3**	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
Period	49.7	98	3	3.61	1.2	10	12	9	9

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Climatological Data for April, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in Inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	48.2	−1.4	85	30	28	4†	33	3.83	+0.07	1.86	T.	12	14	7	9	....	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	46.3	−0.3	86	30	21	4	40	4.04	−0.28	2.08	0	12	17	6	7	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	....	....	....	....	25	8	....	4.31	+0.78	2.25	2.0	10	13	3	14	e.	Brice E. Riker.
Dover	Morris	600	52	46.0	−1.4	82	30	25	9†	35	3.95	−0.11	2.29	0.5	13	4	14	12	....	William C. Harris
Layton	Sussex	480	35	45.4	−1.7	83	30	19	25	41	3.43	−0.06	1.76	T.	13	5	5	20	w.	A. M. Depue.
Long Valley	Morris	520	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	S. N .Dilts.
Newton	Sussex	769	53	46.0	−2.0	83	30	25	25	38	4.35	+0.82	2.10	2.0	13	7	6	17	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	46.2	−3.4	83	30	26	6†	43	4.24	+0.85	1.83	0.5	15	16	5	9	....	Town Engineer.
Sussex	Sussex	442	41	46.4^a	−2.0	87	30	25	9†	39	3.66	+0.13	1.86	0	11	15	5	10	....	A. J. W. Mowatt
Means and extremes	....	....	....	46.4	−1.7	87	30	19	25	43	3.98	+0.28	2.29	0.6	12	11	7	12	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	46.6	−1.5	82	30	25	25	35	4.40	+0.50	2.60	....	12	12	3	15	sw.	John Kline.
Canoe Brook	Essex	173	6	45.4	....	84	30	19	25	41	4.03	....	2.29	....	13	14	6	10	w.	N. J. Water Policy Comm.
Chatham	Morris	185	32	....	....	....	....	....	....	....	4.01	−0.21	2.11	....	12	7	12	11	....	Paul Molitor, Sr.
Elizabeth	Union	45	57	49.8	−1.1	88	30	29	9	39	3.35	−0.49	1.50	T	11	14	8	8	w.	Union County Park Comm.
Flemington	Hunterdon	140	§50	49.6	−0.6	85	30	27	9†	38	3.20	−0.42	1.69	T	12	16	4	10	w.	Hiram E. Deats
Jersey City	Hudson	10	38	47.8	−2.4	80	21	30	4†	35	3.10	−0.65	1.49	0.1	12	7	13	10	s.	S. K. Pearson.
Lambertville	Hunterdon	430	49	47.2	−3.0	83	30	27	4†	33	4.04	+0.24	1.58	0	12	10	7	13	se.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	47.6	−0.7	84	30	27	9†	37	4.55	+0.39	2.43	0	14	6	9	15	nw.	Passaic Valley Water Co
Newark	Essex	10	....	47.4	−2.8	84	21	30	4	41	2.63	−1.13	1.12	T.	12	7	12	11	....	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	48.3	−1.4	84	30	29	4†	33	2.97	−0.64	1.39	0	11	13	9	8	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	....	....	....	....	....	....	....	3.70	+0.28	1.51	....	15	....	....	....	....	Hackensack Water Co
Paterson	Passaic	180	66	47.9	−2.8	82	30	30	4†	32	4.24	+0.41	2.40	T.	12	11	9	10	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	48.2	−1.2	85	29†	29	9	38	3.59	−0.20	1.74	T.	12	9	9	12	s.	S. K .Pearson.
Ridgefield	Bergen	80	19	47.2	−0.7	81	21†	30	4†	38	3.60	+0.15	1.88	0	15	9	10	11	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	47.2	−2.3	83	30	26	25	33	3.33	−0.33	1.68	T.	11	13	6	11	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	....	....	....	....	....	....	....	3.69	+0.25	1.43	....	15	....	....	....	....	Hackensack Water Co.
New York, N. Y.	....	10	66	47.2	−2.2	78	21	30	8	37	3.13	−0.10	1.54	0	13	6	11	13	nw.	U. S. Weather Bureau.
Means and extremes	....	....	....	47.7	−1.7	88	30	19	25	41	3.65	−0.12	2.60	T.	13	11	8	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	49.6	−0.9	81	21	28	9	35	3.42	−0.28	1.05	0	10	17	6	7	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	49.4	−2.9	83	21†	29	7	44	2.88	−0.72	0.85	0	11	14	4	12	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	51.6	−0.4	90	30	28	9	42	2.59	−1.15	1.13	0	11	12	6	12	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	50.1	....	86	30	30	8	36	2.30	....	0.94	T.	13	6	11	13	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	....	....	....	....	28	8	....	2.73	−0.91	1.06	T.	13	19	1	10	sw.	Morean Plant Co.
Hammonton	Atlantic	95	§30	49.8	....	87	30	26	25	35	2.81	−0.97	0.80	T.	13	5	20	5	w.	J. G. Wilson.
Hightstown	Mercer	110	43	48.1	−2.3	84	30	28	23†	32	2.31	−1.58	0.96	0	13	7	13	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	49.5	−1.0	88	30	26	9†	38	2.05	−1.75	0.96	0	10	5	13	12	sw	James M. Armstrong.
Lakewood	Ocean	54	32	49.0	−0.5	84	29†	27	25	34	2.56	−1.39	0.91	T.	10	11	3	16	nw.	R. W. Holman.
Maple Shade	Burlington	65	1	50.2	....	87	30	30	8†	35	2.67	....	1.21	T.	13	7	6	17	nw.	Richard J. Smith.
Moorestown	Burlington	62	73	48.5	−2.0	84	30	29	25	38	2.11	−1.54	1.06	T.	9	11	10	9	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	....	....	....	....	....	....	....	2.40	−0.92	0.81	0	11	....	....	....	....	William L. Flick.
Pemberton	Burlington	55	6	50.1	....	87	30	28	9	41	2.19	....	0.90	0	9	13	6	11	s.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	48.1	....	82	21	28	9	34	3.29	−0.13	0.96	....	11	16	4	10	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	48.8	....	87	29†	23	26	51	2.68	−1.28	1.47	....	7	14	12	4	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	48.6	−1.2	84	30	30	8	39	2.11	−0.83	0.96	0	14	7	9	14	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	....	....	....	....	....	....	....	2.82	....	1.19	0	11	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	43	47.6	−2.0	75	21	27	4	32	2.54	−1.23	0.72	0	9	16	5	9	nw.	John H. Brown.
Philadelphia, Pa	....	26	65	50.2	−1.9	83	30	31	8	38	2.25	−0.80	0.91	T.	13	6	11	13	s.	U. S. Weather Bureau.
Means and extremes	....	....	....	49.3	−1.6	90	30	23	26	51	2.58	−1.05	1.47	T	11	11	8	11	s.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	47.6	−0.2	70	15	31	8	24	3.32	+0.33	0.97	T.	15	5	11	14	w.	U. S. Weather Bureau
Long Branch	Monmouth	25	28	46.8	−1.4	83	21	29	4†	41	2.90	−1.37	1.13	T.	14	5	10	15	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	47.2	−1.1	77	21	32	8	33	2.25	−1.37	0.68	T.	14	8	10	12	w.	U. S. Weather Bureau
Means and extremes	....	....	....	47.2	−0.9	83	21	29	4†	41	2.82	−0.80	1.13	T.	14	6	10	14	w.	
For the State	....	....	....	48.0	−1.7	90	30	19	25	51	3.23	−0.38	2.60	0.1	12	11	8	11	w.	

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† On other dates also. § Length of precipitation record: temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departure from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-5-29-36-900

Daily Precipitation for April, 1936

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.20	.12	....	....	1.86	.10	....	.13	.55	.13	.05	.32	....	....	.10	....	....	....	....	.25	....	....	....	....	.02	....	....	....	....	....	3.83
Charlotteburg	Passaic	....	.22	.16	....	....	2.08	.11	.02	....	.43	.16	.09	....	.43	....	.19	....	....	....	....	.03	.12	....	....	....	....	....	....	....	....	....	4.04
Culvers Lake	Delaware	....	T.	T.	....	....	2.25	.30	....	.04	.08	.19	.25	.87	....	.08	....	T.	T.	....	....	.21	....	....	....	....	.04	....	....	....	....	....	4.31
Dover	Passaic	....	.40	....	....	*	2.29	.10	....	.43	....	.29	.12	.06	....	.06	....	....	....	....	....	.06	....	....	....	....	.05	....	.01	.08	....	....	3.95
Layton	Delaware	....	.24	.02	....	....	1.76	.11	....	T.	.36	.19	.14	.10	....	.08	.09	T.	....	....	....	.18	.01	....	....	....	....	....	....	....	.15	....	3.43
Long Valley	Morris	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Delaware	....	.20	.12	....	....	2.10	.15	....	.05	.46	.42	.13	.32	....	.02	.13	T.	....	....	....	.23	T.	....	....	....	.02	....	....	....	T.	....	4.35
Phillipsburg	...do	....	.24	.20	....	.58	1.25	.17	....	.15	.30	.36	T.	.40	....	.14	.10	....	....	....	....	.12	....	....	....	....	.08	....	.05	T.	.10	....	4.24
Sussex	Hudson	....	.18	.12	....	....	1.86	.10	....	....	.48	.09	.17	.26	....	....	....	.14	....	....	....	.04	....	....	....	....	.22	....	....	....	....	....	3.66
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic	T.	.07	.17	....	....	2.60	.24	.05	....	.54	.13	.21	.30	.06	T.	.02	....	....	....	....	....	.01	....	....	....	T.	T.	....	....	....	....	4.40
Canoe Brook ǁǁ	....do	T.	.13	.28	....	....	2.29	.06	.04	....	.49	.14	.16	.20	.07	....	.13	....	....	....	....	....	.02	....	....	....	T.	.02	....	....	....	....	4.03
Chatham ǁǁ	....do	....	.10	.26	....	....	2.11	.27	.09	....	.47	.14	.17	.16	.08	T.	.14	....	....	....	....	....	T.	....	....	....	....	.02	....	....	....	....	4.01
Elizabeth	Coast	....	.30	16	....	....	1.50	.07	....	.02	.45	.34	.08	.31	....	T.	.08	....	....	....	....	T.	.04	....	....	....	T.	....	....	....	....	....	3.35
Flemington	Raritan	....	.24	.09	....	T.	1.69	.13	....	.12	.33	.26	.02	.24	....	....	.05	....	....	....	.01	.02	....	....	....	....	T.	....	T.	....	....	....	3.20
Jersey City	Coast	T.	.18	.18	....	.03	1.46	.05	....	.15	.28	.35	.07	.23	....	T.	.10	....	....	....	....	.02	....	....	....	....	T.	....	T.	....	....	....	3.10
Lambertville	Delaware	T.	.18	1.06	....	T.	1.58	.11	....	.11	.10	.42	.08	.18	....	....	.14	....	....	....	....	....	.07	....	....	....	.01	....	T.	....	....	....	4.04
Little Falls ǁǁ	Passaic	....	.15	.37	....	....	2.43	.08	.06	....	.53	.15	.11	.33	.11	.03	.13	....	....	....	....	....	.01	....	....	....	.06	....	....	....	....	....	4.55
Newark***	Coast	T.	.28	.18	....	.39	.73	.05	....	.30	.15	.24	.08	.16	T	T.	.06	....	T.	....	....	.01	....	....	....	....	T.	....	T.	....	....	....	2.63
New Brunswick	Raritan	....	.24	.10	....	T.	1.39	.04	....	.04	.38	.26	.10	.33	....	....	.08	....	....	....	....	T.	.01	....	....	....	T.	....	T.	....	....	....	2.97
New Milford**	Hackensack	.07	.20	.21	....	.49	1.51	.05	....	.28	.17	.22	.05	.28	....	.09	.04	....	....	....	....	....	.02	....	....	....	....	.02	....	....	....	....	3.70
Paterson	Passaic	....	.29	.19	....	....	2.40	.11	....	T.	.41	.12	.12	.45	....	.03	.06	....	....	....	....	T.	.01	....	....	....	.05	....	....	....	....	....	4.24
Plainfield	Raritan	T.	.40	T.	....	1.25	.49	.10	....	*	.50	.20	*	.56	T.	.01	.07	T.	....	....	T.	.01	T.	....	....	....	T	....	T.	T.	....	....	3.59
Ridgefield**	Hackensack	.03	.15	.23	....	*	1.88	.08	....	.30	.15	.16	.07	.37	....	.03	.11	....	....	....	....	.01	....	....	....	....	.03	....	....	....	....	....	3.60
Somerville	Raritan	....	.24	.14	....	T.	1.68	.16	....	.16	.32	.20	.06	.28	....	T.	.07	....	....	....	....	T.	.02	....	....	....	T.	....	....	....	....	....	3.33
Woodcliff Lake**	Hackensack	.03	.28	.22	....	.47	1.43	.11	....	.22	.23	.22	.07	.25	....	.06	.04	....	....	....	....	....	.02	....	....	....	....	.04	....	....	....	....	3.69
New York, N. Y***	Coast	.05	.15	.16	....	.38	1.16	.06	....	.32	.14	.32	.09	.18	....	T.	.10	....	....	....	....	.02	....	....	....	....	T.	....	T.	....	....	....	3.13
The Southern Interior.																																	
Belleplain	Tuckahoe	....	.26	.38	....	....	.56	.05	....	.07	1.05	.70	.10	....	....	.15	....	....	....	....	....	....	.10	....	....	....	T.	....	....	....	....	....	3.42
Bridgeton	Delaware	.03	.45	....	....	.53	.03	....	....	.85	.56	.26	....	....	.03	.08	....	....	....	....	....	.03	....	....	....	....	.03	....	....	....	....	....	2.88
Burlington	Delaware	....	.20	.09	....	....	1.10	.03	....	.11	.33	.36	.20	.15	....	T.	.01	....	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	2.59
Camden**	..do	.03	.22	.05	....	.29	.65	.02	....	.45	.30	.08	.12	.02	....	.01	.06	....	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	2.30
Freehold	Raritan	....	.35	.09	....	T.	1.06	.05	....	.08	.35	.40	.04	.19	....	.02	.05	....	....	....	....	.02	.03	....	....	....	....	....	....	....	....	....	2.73
Hammonton	Mullica	....	.41	.20	....	T.	.80	.01	....	.22	.42	.51	.02	.04	....	.02	.08	....	T.	T.	....	T.	.06	....	....	....	.02	....	....	....	....	....	2.81
Hightstown	Raritan	....	.21	.08	....	T.	.96	.03	....	.09	.33	.30	07	.16	....	T.	.03	....	T.	....	....	.01	.03	....	....	....	.01	....	T.	....	....	....	2.31
Indian Mills	Mullica	....	.15	.20	....	....	.96	.04	....	.10	.20	.18	T	.10	....	T.	.08	....	....	....	....	T.	.04	....	....	....	....	....	....	....	....	....	2.05
Lakewood	Metedeconk	....	.27	.16	....	....	.91	T	....	....	.44	.50	T.	.10	....	.06	.10	....	....	....	....	T.	.02	....	....	....	.04	....	....	....	....	....	2.56
Maple Shade	Delaware	....	.26	.11	....	T.	1.21	.01	....	.21	.26	.36	.04	.09	.01	.01	.08	....	....	....	....	T.	.02	....	....	....	T.	....	....	....	....	....	2.67
Moorestown ǁǁ	....do	.10	.18	T.	....	.94	.12	.02	....	.48	....	....	.16	....	T.	.10	T.	....	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	2.11
Northfield	Coast	....	.29	.20	T.	T.	.63	.05	....	.20	.81	....	....	.05	....	.03	.07	T.	....	....	....	....	.05	....	....	....	.02	....	....	....	....	....	2.40
Pemberton	Delaware	....	.02	.23	....	T.	.90	T.	....	.09	.38	.39	T.	.11	....	T.	.05	....	....	....	....	T.	.02	....	....	....	T.	....	....	....	....	....	2.19
Pleasantville ǁǁ	Coast	....	.08	.44	T.	....	.44	.25	.07	....	.96	.83	....	.04	....	.05	.10	....	....	....	....	....	.03	....	....	....	....	T.	....	....	....	....	3.29
Runyon	Coast	....	.22	....	....	....	1.47	.08	....	.47	....	....	.14	.26	....	.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.68
Trenton***	Delaware	.04	.17	.07	....	.28	.68	.03	....	.32	.22	.13	.08	.03	T.	.01	.04	T.	T.	....	....	.01	....	....	....	....	T.	T.	T.	....	....	....	2.11
Trenton No. 2 ǁǁ	....do	....	.08	.23	....	....	1.19	.32	.02	....	.46	.26	.03	.15	T.	T	.05	....	....	....	....	....	.03	....	....	....	....	T.	....	....	....	....	2.82
Tuckerton	Coast	....	.11	.08	....	....	.71	....	....	.05	.62	.72	.06	.04	....	.04	.07	....	....	....	....	T.	....	....	....	....	.04	....	....	....	....	....	2.54
Phila., Pa***	Delaware	.03	.27	.05	....	.30	.61	.01	....	.41	.33	.07	.11	.01	T.	.01	.04	....	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	2.25
The Sea Coast.																																	
Atlantic City***	Coast	T.	.34	.28	....	T.	.63	.06	....	.82	.59	.39	.01	.03	.03	.02	.03	....	....	....	....	.01	.03	....	....	....	.05	....	....	....	....	....	3.32
Long Branch**	....do	.09	.21	.10	....	.27	.86	.05	....	.36	.24	.37	.06	.23	T.	.01	.02	T.	....	....	....	.03	....	....	....	....	....	....	....	....	....	....	2.90
Sandy Hook***	....do	.06	.22	.07	....	.24	.44	.06	....	.30	.24	.28	.04	.24	.01	T.	.03	....	....	....	....	.02	....	....	....	....	T.	....	T.	....	....	....	2.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.192	.096	.088	.088	.168	.188	.120	.152	.144	.152	.076	.160	.096	.128	....	3.960
	Wind movement.	38	46	44	84	30	90	57	72	24	23	27	21	15	10	34	48	113	72	44	25	48	70	26	28	28	64	34	41	27	36	....	1319
Pleasantville**	Evaporation	.080	.088	.160	.128	*	*	*	.056	.032	.094	*	.072	.096	.194	.196	.240	.224	.240	144	.192	.318	.240	.256	.224	.128	.160	.176	.160	.240	.224	....	4.362
	Wind movement.	97	168	140	112	60	108	106	53	42	*	127	70	67	135	95	160	91	93	55	136	152	54	59	72	200	20	76	117	135	85	....	2885
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	.010	.160	.140	.160	.160	.140	.120	.180	.240	.200	.190	.210	.180	.120	.180	.150	.180	.200	....	4.867
	Wind movement.	64	62	94	77	81	96	88	97	33	40	30	24	26	65	80	85	105	67	58	87	88	47	49	39	52	58	74	53	46	47	....	1912

Note: Evaporation determined by measuring amount returned to pan to maintain standard lovel, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered ou preceding day. *** Pan overflowed.

Daily Temperatures for April, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	52	48	42	50	53	66	60	50	46	50	53	50	50	63	75	68	46	50	53	67	75	56	62	56	61	64	65	69	74	85	....	58.6
	Minimum	32	35	33	28	36	44	38	28	28	33	42	42	40	30	56	45	35	36	37	35	44	32	29	40	28	44	32	43	51	54	....	37.7
Charlotteburg	Maximum	52	52	44	47	48	65	65	44	47	49	50	54	44	60	72	75	49	48	50	64	76	61	60	63	56	64	62	69	80	86	....	58.5
	Minimum	39	34	32	21	29	39	35	25	22	32	39	36	36	32	43	40	34	36	35	32	36	29	28	28	22	41	29	39	46	53	....	34.1
Dover	Maximum	52	41	41	46	48	66	52	47	45	48	50	44	47	59	74	60	47	49	52	65	76	58	61	54	57	61	62	65	81	82	....	56.3
	Minimum	31	34	32	27	35	42	36	27	25	32	40	37	37	31	45	41	35	37	36	36	41	31	29	37	25	43	31	41	48	52	....	35.8
Layton	Maximum	52	48	42	46	50	69	55	45	47	45	50	50	50	63	76	61	47	49	46	65	72	52	62	53	58	60	60	68	82	83	....	56.9
	Minimum	29	35	32	26	30	42	35	25	20	32	40	38	38	29	43	32	34	37	32	35	38	28	21	32	19	42	20	40	54	58	....	33.9
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	61	49	41	46	51	65	63	45	45	45	49	47	49	63	74	70	45	44	49	65	76	51	59	51	57	60	64	65	81	83	....	57.1
	Minimum	34	32	31	26	34	40	35	28	27	31	40	37	36	31	44	40	33	33	34	35	38	28	28	38	25	41	32	37	51	52	....	35.0
Phillipsburg	Maximum	62	50	43	43	45	55	68	42	49	47	49	52	54	55	62	76	55	48	51	54	67	77	55	62	56	58	63	65	69	83	....	57.2
	Minimum	34	36	34	29	30	26	39	29	29	32	35	34	40	32	39	49	36	36	34	39	42	34	31	38	29	26	31	37	44	53	....	35.2
Sussex	Maximum	53	47	42	47	52	67	65	46	46	46	47	49	47	66	75	71	47	46	48	66	74	52	67	63	63	59	....	71	85	87	....	56.5[a]
	Miuimum	31	36	34	28	33	43	38	27	24	33	42	39	38	32	45	44	35	38	36	34	41	31	30	36	25	44	29	32	55	55	....	36.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	52	43	43	47	54	65	54	47	46	49	49	43	45	59	74	55	54	49	52	65	77	60	60	55	55	62	63	66	81	82	....	57.0
	Minimum	33	36	37	30	32	38	38	30	26	32	39	38	38	37	45	46	38	39	34	33	43	33	26	38	25	40	30	38	46	51	....	36.3
Canoe Brook§§	Maximum	52	43	43	48	55	68	55	49	47	49	51	44	49	61	75	55	54	50	54	65	79	54	60	54	53	63	60	66	83	84	....	57.3
	Minimum	32	35	34	27	28	38	37	28	23	31	38	38	37	27	45	44	35	35	31	30	38	30	21	31	19	42	23	37	43	48	....	33.5
Elizabeth	Maximum	54	44	47	50	51	70	72	53	54	50	52	54	50	65	75	72	51	55	59	68	84	67	64	56	61	68	67	68	86	88	....	61.8
	Minimum	35	38	36	30	34	43	40	30	29	34	42	40	39	32	47	44	38	36	38	35	45	34	30	36	32	44	33	42	49	51	....	37.9
Flemington	Maximum	54	47	45	54	53	69	65	54	49	49	59	55	53	67	78	75	55	56	56	70	80	59	65	58	63	68	68	74	84	85	....	62.2
	Minimum	33	37	34	29	36	44	39	28	27	33	42	40	40	32	45	46	37	34	35	38	44	32	32	37	27	41	30	39	48	48	....	36.9
Jersey City	Maximum	51	46	45	48	48	68	47	49	49	51	51	45	46	58	66	56	50	50	54	66	80	55	60	54	54	64	59	62	75	78	....	56.2
	Minimum	34	38	33	30	38	45	39	30	34	37	42	38	38	38	44	42	38	38	40	40	45	35	33	40	38	45	39	43	55	56	....	39.5
Lambertville	Maximum	50	42	38	46	49	67	63	47	46	40	53	51	54	60	75	70	48	48	52	58	79	52	60	53	59	63	60	71	82	83	....	57.3
	Minimum	30	38	33	27	36	43	38	27	30	33	38	40	32	40	48	38	35	33	35	42	46	32	30	37	28	40	35	40	57	53	....	37.1
Little Falls§§	Maximum	53	43	45	49	56	69	56	50	48	50	52	44	50	62	75	56	56	52	55	68	80	56	64	56	56	64	63	65	81	84	....	58.6
	Miuimum	32	36	35	29	35	40	38	29	27	32	39	37	38	33	46	46	38	38	38	35	43	31	28	39	27	42	30	39	47	53	....	36.7
Newark	Maximum	49	43	42	48	48	69	47	48	49	50	50	42	45	61	67	57	49	51	53	67	84	55	58	54	51	63	58	59	75	83	....	55.8
	Minimum	35	39	34	30	37	45	40	31	32	34	41	39	39	38	45	42	38	38	38	40	43	35	34	39	34	44	38	44	50	54	....	39.0
New Brunswick	Maximum	53	44	45	47	51	69	66	48	48	49	52	51	48	60	76	72	50	49	53	66	82	58	59	57	57	64	60	71	83	84	....	59.1
	Minimum	33	37	35	29	35	42	39	29	29	33	41	39	38	33	46	43	37	33	35	37	51	34	29	37	30	42	35	40	50	53	....	37.5
Paterson	Maximum	52	43	45	48	49	69	65	47	47	50	50	47	45	61	71	59	49	51	54	64	80	55	61	54	53	65	61	64	79	82	....	57.3
	Minimum	34	37	36	30	37	43	39	30	30	33	42	38	39	37	46	46	38	39	39	39	48	33	30	32	32	44	37	42	50	54	....	38.5
Plainfield	Maximum	53	43	47	50	50	69	43	50	49	51	53	45	49	61	76	58	53	52	57	67	82	55	60	58	58	67	61	68	85	85	....	58.5
	Miuimum	34	37	34	30	33	48	40	30	29	36	41	39	39	34	47	44	38	34	38	39	46	35	30	40	30	42	34	39	47	52	....	38.0
Ridgefield	Maximum	52	43	44	47	50	69	43	48	48	50	48	42	43	62	68	55	48	50	54	66	81	54	60	55	54	63	61	62	77	81	....	55.9
	Minimum	34	38	32	30	37	48	37	30	30	35	42	38	39	33	46	42	38	39	37	37	43	33	30	39	31	44	34	44	53	58	....	38.4
Somerville	Maximum	48	42	41	45	46	66	63	47	47	48	52	50	50	61	77	65	48	50	55	66	79	54	58	55	58	64	63	69	82	83	....	57.7
	Minimum	32	35	33	28	34	42	38	27	29	32	40	39	38	32	45	45	36	34	35	35	46	32	28	37	26	41	33	40	53	53	....	36.6
New York, N. Y.	Maximum	50	48	44	47	46	67	47	48	48	51	50	44	44	57	64	55	48	49	52	65	78	53	59	52	50	61	57	58	72	76	....	54.7
	Minimum	34	38	33	30	40	45	39	30	35	38	42	38	38	39	44	40	38	38	40	40	41	35	34	40	39	45	40	43	57	56	....	39.6
The Southern Interior.																																	
Belleplain	Maximum	57	53	53	47	55	66	64	48	48	51	56	58	55	56	77	72	54	51	54	69	81	74	55	56	56	69	65	67	80	80	....	60.9
	Minimum	38	37	35	29	36	46	41	29	28	39	40	34	41	30	46	51	37	31	35	34	53	39	32	33	28	43	36	37	55	55	....	38.3
Bridgeton	Maximum	52	50	42	47	56	70	48	49	47	53	59	59	57	64	79	58	52	52	55	70	83	53	60	59	60	68	63	71	81	83	....	60.0
	Minimum	39	35	30	34	42	42	29	30	38	39	37	41	36	43	55	39	33	35	37	49	39	31	38	30	43	35	39	40	53	50	....	38.7
Burlington	Maximum	53	47	55	54	54	70	68	48	49	51	55	60	52	63	76	74	52	50	59	67	87	79	63	78	65	69	69	74	84	90	....	63.8
	Minimum	36	38	37	31	38	45	40	29	28	35	41	42	40	37	46	46	38	36	38	40	52	37	34	37	34	40	38	41	53	54	....	39.4
Camden	Maximum	52	45	43	48	54	70	50	49	48	50	55	49	54	63	75	61	54	50	54	67	82	53	61	55	62	68	67	75	85	86	....	59.5
	Minimum	37	40	35	32	40	52	38	30	33	38	42	42	43	39	48	44	40	36	40	41	46	39	35	42	35	41	40	44	56	54	....	40.7
Freehold	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	34	38	35	29	35	43	39	28	29	35	40	40	39	32	46	43	36	33	36	40	50	34	29	38	29	40	30	39	51	52	....	37.4
Hammonton	Maximum	52	48	48	47	55	71	64	49	50	51	57	53	54	63	80	68	51	51	55	68	84	60	60	57	61	69	60	73	85	87	....	61.0
	Minimum	37	41	35	31	36	47	41	30	29	38	41	37	42	32	46	50	38	32	36	38	51	38	30	37	26	41	31	39	54	54	....	38.6
Hightstown	Maximum	52	44	43	46	52	69	65	48	48	49	53	51	49	60	74	69	49	49	53	66	82	56	60	55	59	64	59	72	83	84	....	58.8
	Miuimum	34	37	34	29	36	44	39	29	29	35	41	40	39	32	46	44	35	31	35	37	52	34	28	35	28	40	34	40	53	53	....	37.4
Indian Mills	Maximum	57	47	48	50	56	71	67	48	48	54	54	51	54	63	81	72	53	52	55	69	85	60	61	56	61	67	63	75	86	88	....	61.7
	Minimum	36	38	34	30	34	45	40	30	26	37	41	34	41	31	46	50	38	29	35	35	47	38	32	32	26	40	33	39	52	51	....	37.3
Lakewood	Maximum	49	45	45	48	53	71	68	50	50	48	51	49	51	63	78	72	52	52	55	67	83	61	54	58	55	67	64	70	84	84	....	59.9
	Minimum	36	40	35	31	36	45	40	30	28	37	41	41	40	32	47	44	39	32	39	37	51	37	29	35	27	43	30	40	54	50	....	38.2
Maple Shade	Maximum	53	46	46	48	56	70	66	49	49	51	58	53	55	62	75	71	51	50	55	67	83	57	60	57	62	67	66	76	85	87	....	61.0
	Minimum	36	38	37	31	38	47	43	30	31	36	41	38	42	35	45	47	40	36	39	40	53	38	32	38	30	39	35	41	53	52	....	39.4
Moorestown	Maximum	51	46	42	47	52	71	51	48	38	50	55	49	56	61	75	57	51	49	55	67	83	63	59	56	56	66	63	73	83	84	....	58.6
	Minimum	39	38	36	31	38	47	37	30	32	36	39	38	41	37	46	43	40	35	38	39	45	37	32	38	29	39	35	42	45	54	....	38.4
Pemberton	Maximum	60	47	47	48	55	71	67	50	47	51	55	52	54	61	76	73	52	51	57	66	82	78	61	57	61	65	63	74	85	87	....	61.8
	Minimum	35	38	35	30	37	45	40	29	28	36	41	36	40	34	46	46	38	33	37	38	52	37	32	36	29	41	35	41	53	53	....	38.4
Pleasantville§§	Maximum	47	51	50	50	52	62	51	50	47	48	50	52	55	58	61	62	60	53	55	69	82	67	56	58	53	69	55	61	70	72	....	57.5
	Minimum	38	39	35	37	32	34	43	30	28	39	41	36	41	33	46	53	39	32	38	35	49	40	32	36	30	45	35	42	51	53	....	38.7
Runyon	Maximum	48	46	54	48	62	69	67	52	54	51	65	52	52	58	67	62	54	57	59	72	78	77	64	59	59	62	64	74	87	87	....	62.0
	Minimum	42	37	34	39	37	59	42	29	34	24	41	37	38	42	54	42	25	32	31	35	38	27	27	27	21	23	28	40	40	41	....	35.5
Trenton	Maximum	51	45	43	46	52	69	50	48	48	50	54	48	51	62	76	55	49	48	53	68	83	52	59	54	60	64	62	72	82	84	....	57.9
	Minimum	35	37	33	30	38	50	37	30	34	35	47	40	40	37	47	42	38	35	39	39	44	36	34	39	34	42	39	44	55	56	....	39.3
Tuckerton	Maximum	59	52	48	45	51	60	58	50	50	48	56	49	55	60	68	60	56	52	58	68	75	60	55	58	52	70	57	60	70	74	....	57.8
	Minimum	34	35	38	27	36	37	40	32	30	38	40	36	37	36	45	45	35	32	37	36	48	37	31	33	30	44	33	42	50	50	....	37.5
Philadelphia, Pa.	Maximum	51	47	44	48	52	69	52	49	46	50	58	50	56	61	75	65	49	48	53	67	83	53	60	57	59	66	64	73	82	83	....	59.0
	Minimum	38	39	33	32	40	52	40	31	37	37	42	42	42	42	50	43	39	36	40	41	45	40	36	43	38	44	43	43	56	56	....	41.3
The Sea Coast.																																	
Atlantic City	Maximum	45	48	48	48	49	57	57	50	46	48	54	47	55	53	70	63	51	52	54	55	62	53	49	57	51	63	51	56	60	62	....	53.8
	Minimum	39	42	35	32	42	48	41	31	40	41	41	41	41	38	46	44	42	38	40	40	45	41	36	40	38	47	42	46	52	52	....	41.4
Long Branch	Maximum	45	42	42	48	47	71	64	49	43	47	48	43	46	60	71	54	49	50	50	67	83	55	49	56	58	66	54	60	71	76	....	55.5
	Minimum	35	39	32	29	38	43	38	30	29	35	41	39	37	33	45	42	38	34	36	38	42	37	32	36	36	44	37	44	49	51	....	38.0
Sandy Hook	Maximum	45	43	44	48	47	64	51	48	46	48	48	43	44	57	64	54	50	50	53	63	77	53	53	53	48	59	54	57	71	72	....	53.6
	Minimum	37	40	36	33	40	47	38	32	37	38	42	40	40	40	45	43	40	38	42	42	44	37	38	42	40	46	43	45	48	52	....	40.8

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NJ

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XLI. MAY, 1936. No. 5.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month was warm and rather dry, the average temperature of 63.1 degrees being the highest for May during the past eighteen years with the exception of 1933 when it was slightly higher. The first thirteen days were quite warm, the highest temperatures recorded during the month being registered mostly on the 8th and 9th and were generally in the low nineties. The remainder of the month was below normal except for a 3-day period from the 17th to 19th, inc., and a 4-day span from the 24th-27th, inc. The lowest occurred on the 15th and in a few cases, on the 29th, and hovered around the freezing point. Light frosts were numerous with some heavy and killing ones reported.

The rainfall averaged 74% of normal for the State as a whole. Following are the percentages of normal for the various subdivisions: The Highlands, 79%; Red Sandstone Plain, 89%; Southern Interior, 65%; Sea Coast, 60%. Nearly all of the rain fell during the six days, 3d-4th, 13th-14th, 19th and 27th. There was very little rain after the 14th over the southern half of the State. The general effect was a drought condition during the latter half of the month, with consequent injurious effect on the earlier maturing crops by the end of the month.

A very small tornado did nominal damage to buildings and trees on the farm of Albert Huff about eight miles southwest of Somerville at 7:30 P. M. of the 18th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 63.1°, which was 2.7° above normal. The highest temperature was 97° at Sussex on the 9th, and the lowest, 28°, at three stations on the 15th and 22d. The greatest daily range of temperature was 53° at Charlotteburg on the 17th. The highest monthly mean temperature was 66.8° at Burlington, and the lowest, 60.0° at Canoe Brook and Layton. Layton.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, —0.1°; Red Sandstone Plain, —0.1°; Southern Interior, —0.5°; Sea Coast, —0.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 2.78 inches, which was 0.95 inch below normal. The greatest monthly precipitation was 4.54 inches, at Culvers Lake, and the least, 0.82 inch at Hammonton. The greatest amount of precipitation in any 24 consecutive hours was 2.90 inches at Lakewood on the 3d.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +5.54 inches; Red Sandstone Plain, +3.66 inches; Southern Interior, +1.41 inches; Sea Coast, +0.09 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 2, 3, 4, 11, 12.

HAIL: 3, 13, 18, 19.

THUNDERSTORMS: 2, 3, 4, 9, 10, 12, 13, 14, 18, 19, 20, 24, 26, 27.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.07	30.62	22	29.59	27	15.1	36	nw.	14	71	65	74	79
Long Branch	30.03	30.65	22	29.54	28	10.0	38	nw.	28	65	48	56	84
Ridgefield	30.03	30.63	22	29.56	28	.....	....	.....	....	....	....	....	....
Sandy Hook	30.03	30.62	22	29.56	28	12.7	46	sw.	18	72	57	70	82
Trenton	30.04	30.63	22	29.59	28	10.0	35	s.	18	66	49	57	83

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	.....	.....	.....	.....
1886	58.8	87	36	6.07	0	.....	.....	.....	.....
1887	63.3	94	35	1.37	0	6	.....	.....	.....
1888	58.6	90	26	4.92	0	16	.....	.....	.....
1889	62.3	94	32	4.09	0	12	.....	.....	.....
1890	60.7	87	33	4.24	0	12	.....	.....	.....
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	**21**	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
Period	60.4	102	21	3.73	0	11	13	9	9

Climatological Data for May, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	64.6	+4.2	95	8	33	15	41	2.27	−1.27	0.61	0	7	22	7	2	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	62.0	+4.8	96	9	28	15	53	3.25	−0.63	1.43	0	10	27	0	4	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	34	14	....	4.54	+0.71	1.35	0	7	22	6	3	s.	Brice E. Riker.
Dover	Morris	600	52	61.3	+2.9	91	8	32	15	38	3.14	−0.49	1.35	0	8	11	16	4	......	William C. Harris
Layton	Sussex	480	35	60.0	+2.5	92	8	28	15†	46	2.86	−0.28	1.33	0	9	20	4	7	sw.	A. M. Depue.
Newton	Sussex	769	53	61.9	+2.5	91	8†	31	15	40	3.64	+0.03	1.09	0	11	15	7	9	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	62.4	+1.4	95	11	32	17	49	2.09	−1.22	0.56	0	9	23	4	4	......	Town Engineer.
Sussex	Sussex	442	41	64.6^{c}	+5.3	97	9	32	15	46	4.06	+0.63	1.35	0	9	21	5	5	......	A. J. W. Mowatt
Means and extremes	......	......	....	62.4	+3.4	97	9	28	15†	53	3.23	−0.84	1.43	0	9	20	6	5	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	61.4	+3.1	92	8	31	15	40	2.62	−1.08	0.91	......	10	22	1	8	sw.	John Kline.
Canoe Brook	Essex	173	6	60.0	......	93	8	28	15	46	2.92	....	1.34	......	9	23	6	2	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	2.87	....	1.47	......	9	16	10	5	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	64.2	+2.5	93	8†	35	15	40	4.35	+0.71	1.78	0	8	21	7	3	w.	Union County Park Comm.
Flemington	Hunterdon	140	§50	65.0	+4.0	96	8	32	15	43	3.07	−0.45	1.68	0	8	24	5	2	w.	Hiram E. Deats
Jersey City	Hudson	10	38	63.8	+2.5	92	9	43	15†	33	2.59	−0.86	1.25	0	8	15	12	4	sw.	S. K. Pearson.
Lambertville	Hunterdon	430	49	62.2	+1.2	92	8	35	15	36	4.08	+0.42	1.92	0	6	25	3	3	w.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	63.2	+3.4	95	8	32	15	42	3.80	−0.14	1.58	0	9	19	5	7	w.	Passaic Valley Water Co
Newark	Essex	10	....	63.5	+2.4	92	9†	40	15†	36	2.02	−2.04	1.08	0	7	12	14	5	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	64.0	+3.6	91	8	37	15	37	4.33	+0.67	1.73	0	8	22	8	1	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	2.87	−0.64	1.21	......	8	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	64.6	+3.1	92	8†	39	15	37	3.40	−0.37	1.52	0	6	24	4	3	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	63.4	+3.6	93	9	33	15	39	3.55	−0.18	1.16	0	7	15	13	3	sw.	S. K .Pearson.
Ridgefield	Bergen	80	19	63.0	+3.9	92	8†	37	15	37	2.93	−0.54	1.34	0	6	18	11	2	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	62.8	+2.3	91	8†	35	15	36	2.73	−0.81	1.40	0	7	22	4	5	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	3.02	−0.32	1.04	......	8	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	62.6	+2.0	90	9	43	16	29	2.57	−0.67	1.16	0	8	16	10	5	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	63.2	+3.0	96	8	28	15	46	3.20	−0.40	1.92	0	8	20	7	4	w.	
The Southern Interior.																				
Belleplain	Cape May	30	42	63.1	+2.5	94	9	31	15	40	1.37	−2.15	0.55	0	3	28	3	0	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	64.2	−0.7	94	9	37	14	44	1.23	−2.04	0.35	0	7	27	4	0	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	66.8	+3.9	96	9†	36	15	42	2.17	−1.34	0.80	0	6	25	4	2	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	65.8	......	94	8	39	15	35	1.88	....	0.85	0	6	13	13	5	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	64.0^{g}	......	90	8†	35	15	42	3.50	−0.28	2.15	0	5	27	1	3	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	64.8	......	93	8†	33	15	43	0.82	−2.79	0.50	0	5	16	14	1	n.	J. G. Wilson.
Hightstown	Mercer	110	43	62.8	+1.8	91	9	34	15	37	3.98	+0.37	1.79	0	9	20	8	3	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	64.2	+2.5	95	18	30	15	47	1.19	−2.15	0.64	0	4	21	9	1	s.	James M. Armstrong.
Lakewood	Ocean	54	32	64.0	+4.0	93	18	34	15	44	3.76	−0.02	2.90	0	7	20	6	5	sw.	R. W. Holman.
Maple Shade	Burlington	65	1	65.5	......	92	8	36	15	38	1.68	....	0.86	0	6	14	12	5	nw.	Richard J. Smith.
Moorestown	Burlington	62	73	63.1	+1.9	91	8	35	15	37	1.70	−1.82	0.88	0	7	18	10	3	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	2.32	−0.92	0.92	0	4	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	64.6	.. ....	92	8	35	15	43	1.91	....	0.80	0	5	23	4	4	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	61.2	......	92	24	35	15	37	1.66	−1.52	0.66	......	7	27	3	1	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	63.6	......	94	9	29	15	52	3.04	−0.86	1.12	......	5	24	7	0	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	64.0	+2.9	93	8	41	29	35	3.59	+0.51	1.80	0	7	16	10	5	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	4.26	....	2.39	0	8	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	60.1	+0.3	94	24	30	15	42	1.40	−2.04	0.84	0	3	25	0	6	nw.	John H. Brown.
Philadelphia, Pa	......	26	65	65.8	+2.9	93	9	45	29	32	1.67	−1.59	0.93	0	7	17	11	3	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	63.8	+2.3	96	9†	29	15	52	2.30	−1.22	2.90	0	6	21	7	3	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	60.4	+2.3	85	9	42	29	26	2.47	−0.58	0.91	0	7	14	9	8	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	61.0	+3.0	93	18	37	15†	38	1.89	−1.96	0.81	0	8	17	9	5	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	61.8	+3.4	89.	9	45	29	33	2.05	−1.67	0.89	0	8	16	10	5	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	61.1	+2.9	93	18	37	15†	38	2.14	−1.40	0.91	0	8	16	9	6	s.	
For the State	......	......	....	63.1	+2.7	97	9	28	15†	53	2.78	−0.95	2.90	0	7	20	7	4	sw	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-7-7-36-900

Daily Precipitation for May, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	....	T.	.61	....	....	.11	....	....	.12	....	....	.28	....	....	....	....	....	.55	.28	....	....	....	....	....	....	.32	....	....	....	....	2.27
Charlotteburg	Passaic	.06	....	.06	1.43	.02	.02	.17	....	....	....	....	....	....	.65	....	....	....	....	.50	.12	....	....	....	....	....	....	.22	....	....	....	....	3.25
Culvers Lake	Delaware	....	....	.75	.75	....	....	....	....	....	....	....	.40	.45	....	....	....	....	.40	1.35	....	....	....	....	....	....	....	.44	....	....	....	....	4.54
Dover	Passaic	....	....	*	1.35	....	....	.15	....	....	....	....	....	.60	.32	....	....	....	....	.44	....	....	....	....	.02	....	....	.26	....	....	....	....	3.14
Layton	Delaware	.25	....	.28	....	....	....	.12	....	....	.19	....	....	.19	.19	....	....	....	....	1.33	T.	....	....	....	.07	....	....	.24	....	....	....	....	2.86
Newton	Delaware	.20	....	.06	1.03	....	.16	.23	....	....	.06	....	T.	.23	.32	....	....	....	....	.86	....	....	....	....	.08	....	....	.41	....	....	....	....	3.64
Phillipsburg	...do	.05	T.	.20	.20	....	....	T.	....	....	....	....	....	.52	.08	....	....	....	.04	.36	....	....	....	....	.08	T.	....	.56	T.	....	....	....	2.09
Sussex	Hudson	.20	....	....	1.35	....	....	.18	....	....	.49	....	....	....	.49	....	....	....	.02	.85	.04	....	....	....	....	....	....	.44	....	....	....	....	4.06
The Red Sandstone Plain.																																	
Boonton‖	Passaic	.02	....	T.	.91	.04	....	.05	.05	....	....	....	....	....	.88	....	....	....	....	.05	.40	....	....	....	....	T.	....	.18	.04	....	....	....	2.62
Canoe Brook‖	....do	....	....	....	1.22	.12	....	.05	.01	....	....	....	....	....	.76	....	....	....	....	.08	.30	....	....	....	....	....	....	.27	.11	....	....	....	2.92
Chatham‖	....do	....	....	T.	1.47	.12	....	.04	.01	....	....	....	....	....	.49	....	....	....	....	.07	.31	....	....	....	....	T.	....	.24	.12	....	....	....	2.87
Elizabeth	Coast	....	....	.18	1.78	....	T.	.05	....	....	....	....	....	1.35	.08	....	....	....	....	.18	.23	....	....	....	....	....	....	.50	....	....	....	....	4.35
Flemington	Raritan	....	....	T.	1.68	....	....	.03	....	....	.03	....	....	.44	.10	....	....	....	....	.27	.23	....	....	....	....	....	....	.29	....	....	....	....	3.07
Jersey City	Coast	....	....	.41	.30	.02	....	.06	....	....	....	....	....	1.09	.16	....	....	....	T.	.30	....	....	....	....	T.	....	....	.25	....	....	....	....	2.59
Lambertville	Delaware	....	....	T.	1.92	....	....	.05	....	....	T.	....	....	.95	.18	....	....	....	.38	....	....	....	....	....	....	....	....	.60	....	....	....	....	4.08
Little Falls.‖	Passaic	....	....	....	1.32	.09	....	03	.06	....	....	....	....	....	1.58	....	....	....	....	.04	.31	....	....	....	....	....	....	.35	.02	....	....	....	3.80
Newark***	Coast	....	....	1.08	.33	T.	....	.01	....	....	....	....	....	.01	.06	....	....	....	T.	.24	....	....	....	....	T.	....	....	.29	....	....	....	....	2.02
New Brunswick	Raritan	....	....	T.	1.73	....	....	.02	....	....	....	....	....	.56	1.20	....	....	....	.10	.22	.16	....	....	....	....	....	....	.34	....	....	....	....	4.33
New Milford**	Hackensack	....	....	1.21	.30	.02	.01	....	....	....	....	....	....	.78	.08	....	....	....	....	.22	....	....	....	....	....	....	....	.25	....	....	....	....	2.87
Paterson	Passaic	....	....	.02	1.50	T.	....	.05	....	....	....	....	....	1.06	....	....	....	....	....	.41	....	....	....	....	T.	....	....	.36	....	....	....	....	3.40
Plainfield	Raritan	....	....	1.16	.52	T.	....	.04	....	....	....	....	....	1.00	.05	....	....	....	....	.39	....	....	....	....	....	....	....	.39	....	....	....	....	3.55
Ridgefield**	Hackensack	....	....	.07	1.34	T.	....	.03	....	....	....	....	....	.71	....	....	....	....	....	.41	....	....	....	....	....	....	....	.37	....	....	....	....	2.93
Somerville	Raritan	....	....	T.	1.40	....	....	.05	....	....	....	....	....	.33	.15	....	....	....	....	.21	.06	....	....	....	....	....	....	.53	....	....	....	....	2.73
Woodcliff Lake**	Hackensack	....	....	.79	.22	.02	.01	....	....	....	....	....	....	1.04	.59	....	....	....	....	.18	....	....	....	....	....	....	....	.17	....	....	....	....	3.02
New York, N. Y***	Coast	....	....	.50	.32	.02	....	.06	....	....	....	....	....	1.10	.06	....	....	....	T.	.27	....	....	....	....	T.	....	....	.24	....	....	....	....	2.57
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	.40	....	....	....	....	....	....	....	....	....	.55	....	....	....	....	T.	....	....	....	....	....	....	....	.42	....	....	....	....	1.37
Bridgeton	Delaware	....	....	.16	.12	....	....	....	....	....	....	....	....	.35	....	....	....	....	.14	.02	....	....	....	....	....	....	.19	.25	....	....	....	....	1.23
Burlington	Delaware	....	....	....	.80	....	....	....	....	....	....	....	....	.10	.18	....	....	....	.35	.29	....	....	....	....	....	....	....	.45	....	....	....	....	2.17
Camden**	..do	....	....	.37	.48	....	....	....	....	....	....	....	....	.27	....	....	....	....	.03	.35	....	....	....	....	....	....	....	.38	....	....	....	....	1.88
Freehold	Raritan	....	....	....	2.15	....	....	....	....	....	....	....	....	.33	.27	....	....	....	....	.25	....	....	....	....	....	....	....	.50	....	....	....	....	3.50
Hammonton	Mullica	....	....	....	.50	....	.02	T.	....	....	....	....	....	....	.12	....	....	....	....	.03	....	....	....	....	....	T.	....	.15	....	....	....	....	0.82
Hightstown	Raritan	....	....	1.06	.73	T.	....	.03	.07	....	....	....	....	.70	.04	....	....	....	.78	.21	....	....	....	....	....	....	....	.36	....	....	....	....	3.98
Indian Mills	Mullica	....	....	....	.64	....	....	....	....	....	....	....	....	.15	....	....	....	....	....	.10	....	....	....	....	....	....	....	.30	....	....	....	....	1.19
Lakewood	Metedeconk	....	....	2.90	.40	....	....	.07	.02	....	....	....	....	....	.10	....	....	....	....	.05	....	....	....	....	....	....	....	.22	....	....	....	....	3.76
Maple Shade	Delaware	....	....	....	.86	....	....	....	....	....	....	....	....	.11	.09	....	....	....	.01	.35	....	....	....	....	....	....	....	.36	....	....	....	....	1.68
Moorestown‖	....do	....	....	.54	.34	....	T.	....	....	....	....	....	....	.22	....	....	....	....	.11	.04	....	....	....	....	....	....	.37	.08	....	....	....	....	1.70
Northfield	Coast	....	....	....	.83	....	....	....	....	....	....	....	....	....	.92	....	....	....	....	.01	....	....	....	....	....	....	....	.56	....	....	....	....	2.32
Pemberton	Delaware	....	....	.18	.80	....	....	T.	....	....	....	....	....	....	.52	....	....	....	....	.09	....	....	....	....	....	....	....	.32	....	....	....	....	1.91
Pleasantville‖	Coast	....	....	....	.36	.30	....	T.	.02	....	....	....	....	....	.58	....	....	....	....	....	.01	....	....	....	....	....	....	.25	.14	....	....	....	1.66
Runyon	Coast	....	....	....	1.11	....	....	....	....	....	....	....	....	....	1.12	....	....	....	....	.19	.21	....	....	....	....	....	....	.41	....	....	....	....	3.04
Trenton***	Delaware	....	T.	1.51	.29	....	....	.01	T.	T.	....	....	....	.93	....	....	....	....	.22	.17	....	....	....	....	....	....	....	.46	....	....	....	....	3.59
Trenton No. 2‖	....do	....	....	....	2.26	.13	....	....	.01	....	....	....	....	....	.84	....	....	....	....	.20	.29	....	....	....	....	....	....	.32	.21	....	....	....	4.26
Tuckerton	Coast	....	....	....	.84	....	....	....	....	....	....	....	....	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	.11	....	....	....	....	1.40
Phila., Pa***	Delaware	....	T.	.39	.54	....	....	....	....	....	....	....	....	.19	T.	....	....	....	.06	.27	.01	....	....	....	....	....	....	.21	....	....	....	....	1.67
The Sea Coast.																																	
Atlantic City***	Coast	....	....	.55	.36	....	....	T.	.01	....	....	....	....	.58	.10	....	....	....	....	.01	....	....	....	....	....	....	....	.86	....	....	....	....	2.47
Long Branch**	....do	....	....	.32	.38	....	....	.01	....	....	....	....	....	.71	.10	....	....	....	.01	.01	....	....	....	....	....	....	....	.35	....	....	....	....	1.89
Sandy Hook***	....do	....	....	.23	.28	T.	....	.03	....	....	....	....	....	.83	.06	....	....	....	.11	.20	....	....	....	....	....	....	....	.31	....	....	....	....	2.05

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.152	.240	.136	.068	.064	.144	.186	.066	.128	.304	.208	.168	.144	.120	.216	.184	.176	.168	.192	.124	.200	.176	.192	.184	.232	264	.206	.102	.200	.112	.160	5.216
	Wind movement	26	36	48	26	18	13	30	20	7	35	29	26	13	30	34	28	16	26	25	33	22	10	11	28	38	25	15	18	33	13	19	751
Pleasantville**	Evaporation	240	.256	.216	028	.224	.160	.212	.224	.096	.096	.192	.208	.228	.320	.272	.160	.224	.304	.202	.256	.288	.240	.352	.320	.416	.362	.268	.320	.240	.288	.224	7.436
	Wind movement	78	112	75	50	49	78	110	27	68	56	51	86	110	105	85	70	118	72	71	54	64	53	89	61	57	80	56	105	49	50	78	2267
Runyon	Evaporation	.200	.210	.160	.130	.120	.140	.195	.190	.190	.210	.250	.250	.120	310	.260	.270	.210	.210	.130	.030	.180	.240	.240	.275	.280	.280	.170	.210	.210	.180	.180	6.230
	Wind movement	58	52	52	56	46	28	56	28	36	38	72	58	32	68	55	47	58	62	60	30	27	53	47	46	53	53	37	28	51	35	22	1444

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for May, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere............	Maximum ...	87	82	79	75	71	75	81	95	94	84	83	91	84	67	71	68	84	91	80	71	74	76	83	92	81	85	80	69	68	66	75	79.1
	Minimum....	57	51	60	55	44	38	52	56	60	64	50	59	63	47	33	47	43	58	60	45	39	38	42	55	60	46	57	48	37	47	40	50.0
Charlotteburg........	Maximum ...	88	91	81	79	65	72	73	92	96	80	83	87	89	79	67	73	86	87	81	69	69	72	81	88	82	78	91	79	68	67	70	79.5
	Minimum....	54	45	60	51	40	40	49	50	60	32	45	51	57	43	28	41	33	60	55	41	31	29	32	57	60	43	45	39	34	40	32	44.4
Dover..................	Maximum ...	82	78	74	63	74	71	72	91	90	70	80	86	67	62	68	64	79	87	72	67	70	72	80	89	78	81	76	62	64	63	71	74.3
	Minimum....	56	50	60	50	45	39	51	56	60	52	47	58	62	44	32	45	41	61	56	43	36	35	43	56	60	46	52	45	37	43	37	48.3
Layton................	Maximum ...	83	80	75	65	70	72	77	92	90	79	84	88	83	65	70	64	79	89	69	64	69	71	80	89	75	82	76	65	68	60	78	75.8
	Minimum....	57	49	50	41	37	29	50	52	52	53	45	68	60	44	28	40	33	55	57	42	30	28	35	50	52	39	50	45	30	40	33	44.3
Newton...............	Maximum ...	83	80	77	74	75	70	74	91	91	81	80	88	82	65	67	65	78	87	75	64	69	72	79	89	75	80	75	69	65	60	70	75.8
	Minimum....	57	52	59	49	45	38	40	51	58	53	45	58	61	43	31	37	41	64	54	41	38	36	43	58	58	57	54	46	35	46	39	48.0
Phillipsburg..........	Maximum ...	84	84	74	80	67	73	75	80	94	84	95	82	91	80	63	73	76	84	91	72	71	73	74	68	93	82	84	69	69	64	74	78.2
	Minimum....	55	51	48	51	45	41	43	55	57	56	50	51	60	47	34	35	32	45	59	47	40	40	40	34	44	47	50	56	40	49	40	46.5
Sussex................	Maximum....	86	84	90	78	68	...	76	92	97	88	93	90	87	79	68	....	....	85	78	72	72	78	82	91	82	87	78	75	67	63	75	80.8[c]
	Minimum....	57	51	61	53	43	....	37	56	57	54	48	59	64	46	32	....	....	39	57	43	36	34	41	56	60	45	55	49	38	43	38	48.3[c]
The Red Sandstone Plain.																																	
Boonton§§............	Maximum ...	82	79	76	64	70	72	74	92	91	74	78	86	76	65	67	64	76	86	71	67	69	72	78	87	78	80	79	60	67	66	69	74.7
	Minimum....	57	46	55	56	47	42	50	52	59	52	47	50	59	46	31	44	38	50	61	46	37	35	42	55	60	45	49	48	41	48	40	48.0
Cauoe Brook§§.......	Maximum....	82	80	75	67	71	72	75	93	92	74	80	87	73	68	68	65	78	89	76	71	70	72	79	88	78	80	76	61	68	67	70	75.9
	Minimum....	50	44	55	54	43	33	49	50	52	50	47	51	56	44	28	43	36	51	60	45	32	29	33	52	56	38	46	42	31	38	32	44.2
Elizabeth..............	Maximum ...	84	83	78	66	71	75	76	93	93	84	80	88	81	65	69	66	80	91	78	71	72	74	81	92	84	83	80	72	71	71	72	78.2
	Minimum....	54	50	60	54	50	45	52	54	61	52	50	55	60	47	35	48	42	59	62	47	41	41	41	58	64	50	54	51	37	42	44	50.3
Flemington...........	Maximum ...	83	81	81	73	73	76	78	96	92	90	82	82	82	70	71	71	81	92	88	72	76	76	82	93	88	85	82	75	70	70	77	80.3
	Minimum....	56	47	60	54	47	42	52	56	63	53	48	57	60	47	32	45	42	50	61	47	41	40	39	55	64	48	55	52	40	48	39	49.7
Jersey City............	Maximum ...	80	78	73	63	70	72	71	90	92	69	74	85	78	64	68	65	78	90	74	69	71	72	78	90	80	81	79	64	69	68	70	74.7
	Minimum....	57	55	59	52	50	50	52	59	64	50	48	57	60	47	43	46	45	63	61	46	49	50	48	60	64	58	55	50	43	51	47	52.9
Lambertville	Maximum ...	82	79	79	68	70	70	76	92	90	88	79	85	78	64	67	63	72	70	74	69	69	78	87	80	79	80	77	60	67	65	70	75.1
	Minimum....	56	56	61	53	45	44	50	56	62	53	47	55	60	44	35	48	42	48	45	43	42	44	55	51	52	54	56	49	37	47	42	49.4
Little Falls§§...... .	Maximum ...	84	83	76	70	72	75	74	95	93	80	82	90	73	70	70	68	80	90	77	71	73	77	83	91	80	83	79	61	72	70	72	77.9
	Minimum....	56	49	59	54	47	40	51	53	57	51	48	54	61	46	32	45	42	53	62	46	38	36	44	52	60	46	52	47	39	46	39	48.5
Newark....	Maximum....	83	82	74	64	69	71	73	90	92	66	75	88	79	65	68	68	79	90	74	68	68	71	80	92	78	81	77	61	67	68	71	75.2
	Minimum....	55	54	57	53	51	51	52	55	64	50	48	57	61	46	40	46	43	62	57	49	48	45	44	59	63	56	58	46	40	50	46	51.8
New Brunswick......	Maximum ...	83	81	79	68	70	72	77	91	90	89	79	85	83	70	67	64	79	89	81	67	68	70	78	89	87	80	78	74	68	66	70	77.2
	Minimum....	54	55	61	54	48	44	51	56	63	52	47	55	59	47	37	49	42	63	61	48	43	42	42	56	65	51	53	52	39	45	42	50.8
Paterson..............	Maximum....	82	82	74	64	71	74	74	92	92	84	81	89	77	65	69	66	80	91	81	68	71	73	81	92	80	83	79	70	70	68	72	77.3
	Minimum....	58	52	60	54	49	47	51	55	69	51	49	55	61	47	39	46	43	63	59	47	43	44	50	64	65	52	54	49	41	50	45	52.0
Plainfield.............	Maximum....	85	82	77	65	71	73	77	91	93	69	80	88	79	61	70	66	79	91	75	70	72	72	79	91	82	82	80	65	72	69	71	76.7
	Minimum....	55	54	61	53	47	42	51	52	64	52	49	55	59	47	33	47	43	58	61	46	42	41	42	56	64	50	54	51	38	46	40	50.1
Ridgefield............	Maximum....	82	81	72	62	70	72	72	92	92	69	77	86	75	60	69	63	80	90	74	66	69	72	80	91	78	81	79	60	67	67	71	74.8
	Minimum....	58	55	63	53	51	45	53	55	61	51	49	57	62	42	37	44	44	63	64	47	41	40	48	59	57	50	57	53	40	49	42	51.3
Somerville...........	Maximum ...	83	80	77	67	71	71	71	91	91	78	77	86	76	58	68	64	78	89	79	67	70	71	77	90	85	80	78	67	71	67	71	75.8
	Minimum....	56	51	59	52	47	42	51	57	66	51	47	57	60	43	35	44	42	62	59	44	39	38	42	55	62	49	55	46	41	46	42	49.7
New York. N. Y......	Maximum ...	76	76	71	62	68	70	68	87	90	64	70	80	76	64	64	64	76	86	72	66	68	69	75	86	76	81	75	63	65	64	68	72.3
	Minimum....	58	55	57	51	50	50	52	60	63	49	48	58	61	46	45	43	47	64	60	46	50	50	49	60	63	59	56	45	43	52	47	52.8
The Southern Interior.																																	
Belleplain............	Maximum....	71	79	81	70	68	72	75	90	94	89	77	84	85	74	68	65	77	90	84	72	70	65	75	91	82	80	81	79	64	70	73	77.3
	Minimum....	45	54	60	57	44	41	49	59	60	50	47	48	55	50	31	43	41	62	61	50	38	37	35	55	65	53	57	47	35	43	45	48.9
Bridgeton............	Maximum....	79	82	84	68	74	74	78	93	94	72	79	84	85	65	69	69	83	92	75	70	72	71	85	90	82	82	80	65	66	71	73	77.6
	Minimum....	56	59	59	48	43	50	59	63	50	47	47	58	49	37	41	45	56	62	50	45	45	42	54	60	55	57	55	40	41	48	55	50.8
Burlington	Maximum ...	91	85	84	74	73	75	79	93	96	88	81	88	88	90	70	86	85	96	76	70	71	74	79	91	90	85	81	78	70	66	74	81.5
	Minimum....	53	55	61	56	49	42	51	56	66	53	49	54	60	48	36	49	44	65	63	65	48	42	41	55	69	52	54	45	42	49	46	52.2
Camden	Maximum ...	85	83	83	66	71	75	80	94	91	72	79	87	86	65	69	66	81	92	74	70	71	76	78	92	81	83	82	63	70	73	75	77.8
	Minimum....	58	59	62	54	51	47	47	59	67	50	49	56	63	48	39	47	48	64	63	52	50	47	46	57	68	53	64	50	45	54	52	53.8
Freehold.............	Maximum ...	....	....	....	....	....	....	....	90	90	86	79	86	84	67	67	67	81	90	86	67	68	71	79	90	86	79	79	75	68	69	70	78.1[g]
	Minimum....	52	54	65	53	46	....	....	....	61	51	47	51	58	46	35	47	39	63	61	48	42	39	41	57	63	49	53	51	38	47	41	49.9[c]
Hammonton..........	Maximum....	82	82	84	74	73	74	79	93	91	72	83	88	89	70	70	69	81	93	80	72	74	73	79	92	85	84	83	65	69	73	74	79.0
	Minimum....	50	58	60	57	49	42	49	58	65	51	49	51	58	50	33	46	42	62	62	52	42	38	36	57	66	49	55	50	37	45	48	50.5
Hightstown..........	Maximum ...	85	78	78	64	68	71	77	90	91	84	78	85	77	65	66	64	79	88	69	71	69	71	77	87	80	82	78	64	68	68	72	75.6
	Minimum....	53	54	61	54	46	42	50	56	60	51	48	53	59	47	34	46	42	62	61	47	42	40	40	54	64	48	56	48	36	44	41	49.6
Indian Mills..........	Maximum ...	85	82	84	72	70	76	80	93	91	80	85	91	89	69	70	67	83	95	81	71	71	73	81	92	83	85	82	74	70	73	75	79.8
	Minimum....	47	54	59	56	46	39	48	56	64	50	48	50	56	49	30	41	40	59	62	51	41	37	34	54	66	47	55	48	31	44	46	48.6
Lakewood............	Maximum ..	79	82	79	64	69	70	75	89	91	85	79	87	86	73	71	67	81	93	87	70	68	70	84	92	85	79	82	78	70	72	73	78.4
	Minimum....	48	56	58	54	47	42	48	56	59	50	46	51	58	49	34	45	39	60	63	50	42	36	40	57	67	47	55	48	38	46	44	49.5
Maple Shade..........	Maximum....	86	84	82	74	72	74	80	92	91	85	80	86	87	66	69	67	81	91	77	70	71	75	78	91	82	83	81	76	69	70	73	78.8
	Minimum....	54	57	62	56	48	43	52	56	64	53	49	54	60	49	36	47	43	64	63	50	47	42	41	57	69	51	58	52	43	48	49	52.2
Moorestown..........	Maximum ...	83	81	80	67	69	73	78	91	90	69	77	84	85	64	67	65	80	90	72	68	69	72	78	90	81	82	80	63	67	68	72	75.3
	Minimum....	54	57	61	59	49	43	52	56	62	49	49	54	55	42	35	45	43	57	61	49	48	40	41	57	64	51	57	48	42	48	49	50.9
Pemberton....	Maximum ...	84	81	82	80	72	71	80	92	91	86	82	86	86	82	68	67	82	91	90	70	70	73	80	91	89	88	84	81	69	69	73	80.3
	Minimum....	52	55	60	55	45	41	49	57	51	51	48	51	58	47	35	45	41	60	61	45	39	39	37	52	66	48	55	48	37	42	45	48.9
Pleasantville§§.......	Maximum...	72	73	71	66	64	65	67	80	89	72	63	72	70	63	69	61	71	90	79	70	62	64	75	92	85	80	83	66	69	73	67	72.4
	Minimum....	46	55	57	59	47	42	54	57	61	51	49	49	56	50	35	44	42	56	58	50	43	40	38	55	67	50	58	50	37	46	49	50.0
Runyon...............	Maximum ...	87	87	84	78	70	74	89	92	94	90	91	93	84	76	74	75	87	92	80	74	70	78	80	90	90	92	82	78	77	72	72	82.3
	Minimum....	54	56	57	46	46	35	48	55	54	50	51	49	57	48	29	31	35	48	63	62	34	34	33	44	42	41	52	37	35	35	34	45.0
Trenton...............	Maximum ...	83	80	81	65	70	73	78	93	92	68	78	85	84	60	68	64	79	89	73	68	69	71	78	89	79	81	79	62	67	66	72	75.6
	Minimum....	56	56	60	53	48	49	52	58	61	49	49	56	62	47	41	46	46	64	61	49	48	47	47	57	63	55	57	45	41	50	49	52.3
Tuckerton............	Maximum ...	74	73	75	67	66	65	74	81	90	75	65	66	65	64	65	60	71	90	70	71	73	65	74	94	88	78	82	75	70	73	72	73.3
	Minimum....	52	51	52	56	52	40	50	62	68	46	45	40	48	42	30	42	40	52	45	48	45	37	34	52	60	62	55	48	32	33	36	46.9
Philadelphia, Pa.....	Maximum ...	80	80	80	68	72	72	77	93	93	71	76	83	85	65	67	66	79	89	74	69	72	72	76	88	80	82	80	67	67	68	71	76.2
	Minimum....	59	59	61	55	51	54	55	61	64	50	49	59	64	50	47	48	48	67	63	52	53	52	51	59	68	63	59	47	45	54	54	55.5
The Sea Coast.																																	
Atlantic City.........	Maximum....	65	65	63	64	63	62	62	76	85	59	58	64	67	64	60	56	63	79	76	68	59	62	64	80	84	76	81	66	67	72	64	67.5
	Minimum...	54	54	56	52	49	52	55	56	59	49	49	52	57	50	44	50	52	59	58	54	52	47	54	58	66	58	58	46	42	51	55	53.2
Long Branch.........	Maximum....	74	77	71	63	65	65	65	85	90	56	62	80	77	64	68	58	73	93	78	69	62	63	82	92	81	76	80	61	68	69	70	72.2
	Minimum...	53	55	54	49	48	47	52	55	55	50	49	53	58	44	37	44	43	64	59	45	42	43	44	63	62	53	59	42	37	46	42	49.9
Sandy Hook..........	Maximum....	72	70	70	60	65	65	65	82	89	58	63	78	73	66	67	59	76	85	72	66	61	65	76	85	75	77	76	62	68	68	69	70.4
	Minimum....	55	54	55	52	51	51	54	55	56	50	49	56	59	50	47	47	47	63	58	50	50	52	49	62	61	58	58	48	45	53	50	53.1

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

H. O. GEREN.

TRENTON, N. J.

VOL. XLI. JUNE, 1936. No. 6.

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GENERAL SUMMARY.

The average rainfall for the State was in excess of the normal, New Jersey being one of only two States east of the Rocky Mountains having such a favorable outcome, the other being Florida. The temperature was practically normal most of the month with only one short warm period from the 2d to 3d, inclusive, (except along the southern seacoast section) and a cool period during the 23d-24th. The highest temperatures were generally in the nineties, with the exception of the Coast district, and occurred on the 3d with a few cases on the 26th; the lowest were in the forties and low fifties, and were recorded on scattered dates.

The rainfall in the various sections, in percentages of their respective normals, was as follows: The Highlands, 144%; Red Sandstone Plain, 144%; Southern Interior, 113%; Sea Coast, 114%; State, 133%. The first decade was rather dry over most of the State. Light showers occurred on the 3d and 4th, with moderately heavy ones on the same dates in the Highlands district. During the second and third decades there were only a few days that did not experience some rain. The most important amounts occurred from the 11th to 15th, inclusive, and from the 18th to 21st, inclusive, in the northern half and 18-19th over the southern portion; other general showers occurred on the 24th, 27th, 28th and 30th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 69.1°, which was 0.3° above normal. The highest temperature was 99° at Phillipsburg on the 3d, and the lowest, 38°, at Canoe Brook and Charlotteburg on the 6th. The greatest daily range of temperature was 53° at Layton on the 6th. The highest monthly mean temperature was 72.1° at Burlington, and the lowest, 66.0°, at Canoe Brook.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, +0.1°; Red Sandstone Plain, —0.1°; Southern Interior, —0.4°; Sea Coast, —0.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 4.93 inches, which was 1.22 inches above normal. The greatest monthly precipitation was 8.13 inches, at Little Falls, and the least, 2.28 inches at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 3.80 inches at Belvidere and Belleplain on the 18-19th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +7.40 inches; Red Sandstone Plain, +5.33 inches; Southern Interior, +1.88 inches; Sea Coast, +0.58 inch

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 8, 9, 10, 11.
HAIL: 18.
THUNDERSTORMS: 3, 4, 11, 12, 13, 14, 15, 18, 19, 21, 28, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	29.93	30.24	23	29.53	28	14.8	40	se.	18	82	74	80	51
Long Branch	29.92	30.26	23	29.50	28	11.4	36	nw.	3	74	57	65	65
Ridgefield	29.92	30.26	23	29.52	28	......	....	......	....	....	....	....	....
Sandy Hook	29.92	30.27	23	29.51	28	12.3	32	s.	17	78	64	76	66
Trenton	29.92	30.26	23	29.53	28	9.3	35	nw.	3	72	55	64	67

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	1.57	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	64.0	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71.1	95	39	6.31	0	15	12	9	9
1923	72.5	106	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	73.6	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
Period	68.8	106	30	3.71	0	10	13	10	7

Climatological Data for June, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	69.7°	+0.8	97	3	42	23	41	7.99	+3.99	3.80	0	12	15	9	6	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	67.2	+2.2	92	3	38	6	48	6.52	+2.06	2.12	0	13	18	2	10	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	......	......	....	5.06	+0.62	1.98	0	11	15	4	11	s.	Brice E. Riker.
Dover	Morris	600	52	66.6	−0.2	93	3	45	1†	42	7.15	+2.72	1.99	0	12	8	9	13	......	William C. Harris
Layton	Sussex	480	35	66.9	+1.2	93	6	39	5	53	5.50	+0.97	1.39	0	13	14	6	10	sw.	A. M. Depue.
Newton	Sussex	769	53	67.2	−0.8	92	3	44	23	38	5.78	+1.80	2.02	0	14	11	5	14	se.	Irving J. Kern.
Phillipsburg	Warren	363	§53	69.3	0.0	99	3	48	1†	40	7.52	+3.79	2.01	0	9	10	10	10	......	Town Engineer.
Sussex	Sussex	442	41	69.8	+3.0	95	3	45	6	44	3.55	−0.53	0.84	0	12	14	3	13	......	A. J. W. Mowatt
Means and extremes	......	......	....	68.1	+0.9	99	3	38	6	53	6.13	+1.86	3.80	0	12	13	6	11	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	66.8	−0.5	91	3	44	1†	40	6.18	+2.22	1.52	......	10	14	1	15	ne.	John Kline.
Canoe Brook	Essex	173	6	66.0	......	94	3	38	6	44	6.25	......	2.37	......	12	14	9	7	w.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	4.87	+0.91	1.04	......	11	6	12	12	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	70.3	−0.1	98	3	50	1†	40	5.10	+1.50	1.40	0	11	15	3	12	e.	Union County Park Comm.
Flemington	Hunterdon	140	§50	70.4	+0.9	96	3	45	6	43	4.02	+0.41	1.14	0	11	15	9	6	n.	Hiram E. Deats
Jersey City	Hudson	10	38	70.0	−0.9	94	3	55	1†	29	4.47	+0.69	1.40	0	13	10	9	11	n.	S. K. Pearson.
Lambertville	Hunterdon	430	49	68.4	−1.1	94	3	50	1†	36	3.13	−0.63	0.81	0	11	15	5	10	e.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	68.9	+0.2	95	3	46	1†	40	8.13	−4.11	2.78	0	13	12	7	11	ne.	Passaic Valley Water Co
Newark	Essex	10	....	69.2	−0.4	93	3	53	23	31	5.74	+1.87	2.23	0	13	7	12	11	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	69.4	+0.2	94	3	49	7	32	4.92	+1.24	1.75	0	9	15	7	8	e.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	5.45	+1.90	1.84	......	12	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	70.0	0.0	95	3	53	6†	31	6.24	+2.54	1.60	0	12	18	3	9	sw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	69.3	+0.7	96	3	49	1†	37	7.10	+3.23	1.83	0	12	13	4	13	sw.	S. K. Pearson.
Ridgefield	Bergen	80	19	68.8	+1.2	93	3	51	5†	32	5.34	+1.20	2.07	0	11	11	10	9	se.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	68.6	−0.6	94	3	48	7†	37	5.36	+1.85	1.32	0	11	13	6	11	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	5.33	+1.97	1.89	......	11	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	68.6	−0.2	89	3	55	1	25	4.17	+0.84	1.34	0	12	9	7	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	68.9	0.0	98	3	38	6	44	5.48	+1.67	2.78	0	11	13	7	10	e.	
The Southern Interior.																				
Belleplain	Cape May	30	42	69.6	+0.7	92	3	44	7†	37	5.95	+2.51	3.80	0	8	16	4	10	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	70.2	−1.9	93	3	50	22	34	6.36	+2.44	3.18	0	14	16	7	7	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	72.1	+0.4	95	3†	47	23	38	4.48	+0.79	1.20	0	11	15	5	10	ne.	Public Service G. & E. Co.
Camden	Camden	20	4	72.0	......	97	3	51	23	35	4.38	......	2.00	0	9	9	8	13	ne.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	69.6	......	96	3	48	6†	35	2.58	−1.03	0.58	0	12	16	5	9	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	71.2	......	96	3	45	7	42	4.03	+0.27	0.98	0	12	12	13	5	n.	J. G. Wilson.
Hightstown	Mercer	110	43	68.9	−0.2	94	3	46	6	37	4.75	+0.99	2.08	0	15	12	8	10	ne.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	69.6	−0.3	98	3	43	7	42	5.44	+1.51	2.17	0	10	11	9	10	se.	James M. Armstrong.
Lakewood	Ocean	54	32	69.6	+1.4	96	3	44	7	37	4.39	+0.38	1.35	0	11	12	6	12	sw.	R. W. Holman.
Maple Shade	Burlington	65	1	71.4	......	96	3	49	23	37	3.68	......	1.23	0	13	11	5	14	se.	Richard J. Smith.
Moorestown	Burlington	62	73	69.8	−0.4	95	3	48	6†	38	3.22	−0.56	1.02	0	15	11	6	13	ne.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	3.96	+0.67	1.05	0	13	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	70.4	......	97	3	46	23	39	4.05	......	1.40	0	11	15	6	9	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	68.4	......	91	26	45	7	33	3.27	−0.23	0.90	......	13	16	3	11	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	69.4	......	96	3	42	1†	38	4.57	+1.04	2.03	......	10	16	10	4	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	69.9	+0.4	94	3	53	23	31	2.39	−0.70	0.51	0	11	9	9	12	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	2.55	......	0.56	0	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	67.8	−1.0	91	26	45	7†	35	2.28	−1.45	0.42	0	12	13	7	10	nw.	John H. Brown.
Philadelphia, Pa.	......	26	65	71.8	+0.4	93	3	55	24	26	3.96	+0.72	1.82	0	11	12	5	13	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	70.0	−0.1	98	3	42	1†	42	4.02	+0.47	3.80	0	12	13	7	10	ne.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	67.2	+0.6	90	21	57	25	25	4.50	+1.46	2.41	0	13	4	7	19	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	67.9	+0.8	91	26	48	23	31	3.40	−0.46	1.73	0	13	8	9	13	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	68.3	+0.5	88	3	57	9	24	4.25	+0.47	1.46	0	11	13	5	12	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	67.8	+0.6	91	26	48	23	31	4.05	+0.49	2.41	0	12	8	7	15	s.	
For the State	......	......	....	69.1	+0.3	96	3	38	6	53	4.93	+1.22	3.80	0	12	12	7	11	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. ∫ Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-7-24-36-900

Daily Precipitation for June, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware			.61						.03		.30		1.72	.30	.25			3.80			.08			.23			.07	.25		.35		7.99
Charlotteburg	Passaic					.75								.29	1.04	.85	.22		.60	.32	.02	2.12			.09			.10	.06		.06		6.52
Culvers Lake	Delaware				.25							.18	.20	.08	.90	.70	.28		.18	.11	1.98				T.			.20	T.				5.06
Dover	Passaic			.56								.30		1.70	.25	.48			1.58	.41		1.43			.07			.03	.13		.21		7.15
Layton	Delaware			.72	.05							.08	.01	.52	.98	.30			.55	1.39		.55			.11	T.		.16			.08		5.50
Newton	Delaware			.48	.04							.08	.17	.83	.62	.20			.58	.38		2.02			.20			.08	.02		.08		5.78
Phillipsburg	....do			.68								1.43	T.	2.01	T.	.10			1.63	.76		T.		T.	.29			T.	.16	T.	.46		7.52
Sussex	Hudson				.18								.25	.71	.84	.08			.49	.23		.45			.11			.04	.06		.11		3.55
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic				.49						T.		.82	.95	1.05	.25			T.	.85	T.	1.52			.12	T.			.01	.12	T.		6.18
Canoe Brook ǁǁ	....do												1.12	1.25	1.03	.77	T.		.20	.67		.64			.22	.02		T.	.05	.18	.10		6.25
Chatham ǁǁ	....do												.51	1.00	1.04	.54	.07			.86	.02	.54			.17	.03		T.			.09		4.87
Elizabeth	Coast				T.							.19	.67	.74	.79	.67	T.		1.40			.01			.20	T.		.03	.13		.27		5.10
Flemington	Raritan												.40	.84	.16	.62			1.14	.24	T.	.04			.09			.01	.24		.24		4.02
Jersey City	Coast			.05	.02					T.	T.	.34	.02	.79	.95	.15			1.40		T.	.14			.25			.03	.14		.19		4.47
Lambertville	Delaware												.36	.51	.11	.38			.81	.35					.18	.02	.02	.03			.36		3.13
Little Falls. ǁǁ	Passaic				.02								.58	2.78	1.67	.31	.06			.64	.02	1.66			.24				.02	.11	.02		8.13
Newark***	Coast			.01							.05	.70	.30	2.23	.26	.80			.72	T.		.08		T.	.23	T.		.04	.08		.24		5.74
New Brunswick	Raritan				T.								1.75	.27	.27	.87			.68	.53					.12	T.			.12		.31		4.92
New Milford**	Hackensack			.11								.25	.27	1.84	.33	.09			1.32			.94			.21			.03	.04		.02		5.45
Paterson	Passaic			T.	T.							.09	.25	1.39	1.60	.23			1.05	.01	T.	1.18			.22			.01	.12		.09		6.24
Plainfield	Raritan			T.								1.83	.07	1.30	.25	1.42			1.17	.19		.01			.19			.04	.20		.43		7.10
Ridgefield**	Hackensack			T.							T.	.40		2.07	.85	.05			.70			.62			.28			.03	.24	.02	.08		5.34
Somerville	Raritan											T.	1.32	1.01	.15	.88			.71	.40		.01			.17			.02	.24		.45		5.36
Woodcliff Lake**	Hackensack			.03								.23	.58	1.89	.21	.15			.64			1.36			.15			.06	.03		T.		5.33
New York, N. Y***	Coast			.07						T.	T.	.36	T.	1.31	.37	.11			1.24		T.	.14		.01	.22			.02	.14		.18		4.17
The Southern Interior.																																	
Belleplain	Tuckahoe				.20								.40	.30		T.			.95	2.85				T.	.65				.40		.20		5.95
Bridgeton	Delaware			.04						T.		.71	3.18	.12	.04			.26	1.01	.04				.20	.09		.05		.31	.22	.09		6.36
Burlington	Delaware			.17							T.	T	1.20	.26	.30	.65			.22	.33					.80			.04	.22		.29		4.48
Camden**	..do			.06	.01						T.	.95	T.	T.	T.	.02			2.00	T.				T.	.55			.03	.60		.16		4.38
Freehold	Raritan				.09								.39	.58	.19	.12			.25	.18	T.				.25	.05		.05	.23		.20		2.58
Hammonton	Mullica				.03	T.			T.	T.	.04		.85	.53	.08	.12			.20	.98		.04			.42	T.		T.	.32		.42		4.03
Hightstown	Raritan			.07	.08	T.					.01	1.85	.23	.36	.08	1.08	.01		.17	.09	T.	T.			.20			.05	.19		.28		4.75
Indian Mills	Mullica			.06								T.	2.17	.15		.28			.34	.89				T.	.30			.04	.76		.45		5.44
Lakewood	Metedeconk				T.							.12	.40	1.35	.20	.05			1.06	.20	T.				.36			.05	.35		.25		4.39
Maple Shade	Delaware			.08						T.		.66	.20	.08	.13	.02		.23	1.23	T.				.25	.20	T.		T.	.40	.19	.01		3.68
Moorestown ǁǁ	....do			.10	.02					T.		.58	.08	.08	.12	.10		.18	1.02	T.				.22	.10			.02	.40	.18	.02		3.22
Northfield	Coast										.01		.68	.29	.01	.68			.20	1.05	T.			.10	.40	.02		.02	.15		.35		3.96
Pemberton	Delaware																																
Pleasantville ǁǁ	Coast				.02								.34	.51	.05	.02	.56			.90	.02				.30	.02			.01	.30	.22		3.27
Runyon	Coast				.13								1.51	.52	.24	.45			.72	.15				.16					.38		.31		4.57
Trenton***	Delaware			T.	T.							.42	.01	.15	T.	.51			.35	.05	T.			.03	.20			.07	.21		.39		2.39
Trenton No. 2 ǁǁ	....do			T.	T.							.24		.21	.03	.56			.51	.05	T			.03	.28			.05	.20		.39		2.55
Tuckerton	Coast										.02		.42	.36	.14	.27			.02	.37				.02	.27	.08		.05	.26				2.28
Phila., Pa***	Delaware			.01	.03					T.	T.	.78	T.	.12	T.	.06			1.82	T.	T.			.01	.52			.03	.41		.17		3.96
The Sea Coast.																																	
Atlantic City***	Coast				T.			T.	T.	.02	T.	.35	.04	.21	.01	.24			.10	2.31	T.	T.		.50	.10	T.		.02	.27		.33		4.50
Long Branch**	....do			.07	T.					T.	T.	.20	.03	1.73	.10	.07			.32	.01	T.	T.		.20	.19			.01	.21		.26		3.40
Sandy Hook***	....do			.07								.56	.03	1.45	.12	.16			1.16	T.		T.		.06	.15			T.	.19		.30		4.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.128	.240	.232	.248	.144	.224	.224	.200	.144	.152	.064	.120	.114	*	*	.032	.176	.224	.046	.088	.160	.296	.208	.148	.028	.176	.224	.018	.116	.212	....	4.386
	Wind movement.	17	34	27	13	6	4	10	17	12	16	5	13	16	18	4	15	5	19	25	22	12	22	8	22	7	13	24	2	17	32	....	457
Pleasantville**	Evaporation	.320	.288	.308	.288	*	.320	.240	.160	.960	.272	.244	.046	.050	.084	.176	.288	.192	*	.184	.256	.320	.224	*	*	.080	.288	.058	.252	.284	.144	....	6.326
	Wind movement.	113	120	71	88	27	27	29	57	46	62	69	34	66	69	40	45	109	110	66	75	85	45	87	58	66	74	128	22	22	44	....	1954
Runyon	Evaporation	.260	.250	.150	.250	.240	.260	.260	.180	.180	.180	.180	.010	.040	.000	.000	.180	.180	.120	.030	.180	.210	.210	.160	.180	.180	.180	.180	.080	.180	.060	....	4.750
	Wind movement.	54	62	67	38	30	22	20	31	15	12	17	17	19	15	17	20	24	26	25	17	22	14	27	13	13	19	25	24	17	14	....	736

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for June, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	88	94	97	77	81	87	87	85	85	81	89	81	77	71	78	....	....	....	89	86	84	78	77	67	82	91	78	81	83	75	....	82.6[c]
	Minimum	49	58	64	59	47	46	50	59	57	60	65	65	62	60	62	61	44	....	....	65	66	51	42	51	56	68	66	62	52	52	....	56.8[b]
Charlotteburg	Maximum	83	86	92	90	79	82	87	80	77	78	83	80	79	66	77	75	81	79	74	82	83	85	79	79	79	87	90	89	77	80	....	81.3
	Minimum	39	55	60	54	46	38	39	52	47	55	53	63	60	58	56	65	40	57	62	64	64	43	65	39	53	53	65	56	49	55	....	53.1
Dover	Maximum	84	88	93	75	79	87	80	79	77	71	79	76	68	66	74	80	81	71	73	81	81	75	71	62	78	87	87	77	79	69	....	77.6
	Minimum	45	58	66	57	49	45	46	51	55	60	58	55	60	59	51	59	46	62	63	66	50	60	45	52	55	60	67	60	52	58	....	55.5
Layton	Maximum	84	90	92	75	78	93	83	83	82	77	77	81	72	66	78	79	83	76	79	82	81	75	75	63	82	90	77	78	80	70	....	79.4
	Minimum	44	62	65	52	39	40	42	60	55	60	57	65	62	58	60	52	42	64	63	65	63	45	42	52	53	54	66	60	45	54	....	54.4
Newton	Maximum	83	89	92	75	78	83	83	83	82	75	82	81	75	65	77	78	83	77	79	82	78	75	73	64	78	82	78	76	77	74	....	78.6
	Minimum	49	60	62	57	46	46	49	58	63	60	58	63	60	57	59	67	57	57	60	64	60	48	44	48	53	60	65	60	51	52	....	55.7
Phillipsburg	Maximum	88	92	99	76	80	86	85	84	80	81	86	77	68	69	76	81	85	79	79	83	83	75	73	63	79	90	75	82	83	73	....	80.3
	Minimum	48	59	63	61	49	48	60	60	57	60	66	66	62	61	62	58	50	64	62	65	64	54	57	53	57	56	66	59	52	60	....	58.3
Sussex	Maximum	90	92	95	81	83	89	88	86	87	86	79	81	79	69	74	82	88	80	81	85	85	78	80	72	83	91	80	80	80	80	....	82.8
	Minimum	49	54	64	56	46	45	48	61	55	63	60	63	62	60	61	60	46	62	63	67	64	49	46	53	55	58	63	62	50	55	....	56.7
The Red Sandstone Plain.																																	
Boonton§§	Maximum	82	89	91	75	78	84	82	82	82	75	81	79	68	67	77	79	81	72	77	81	81	74	75	64	78	87	74	79	78	69	....	78.0
	Minimum	44	65	59	59	46	44	45	55	63	59	56	63	62	60	61	62	47	55	64	67	66	50	46	45	55	58	64	60	50	59	....	55.6
Canoe Brook§§	Maximum	84	90	94	76	80	82	83	78	78	73	83	80	66	69	76	80	81	73	77	84	82	76	72	65	79	88	75	80	79	72	....	78.5
	Minimum	40	58	62	57	39	38	40	56	49	57	54	61	60	59	60	51	45	58	52	65	64	49	44	51	54	55	67	56	47	56	....	53.5
Elizabeth	Maximum	90	93	98	85	83	85	84	80	83	88	88	82	75	67	75	84	85	80	78	85	85	76	77	70	83	91	83	80	80	76	....	82.3
	Minimum	50	57	64	63	50	50	50	59	55	61	59	65	61	60	62	58	52	62	66	61	68	56	50	53	57	61	67	62	53	58	....	58.3
Flemington	Maximum	86	91	96	90	81	88	87	82	82	82	89	83	73	69	78	80	85	80	82	87	85	80	73	67	82	92	85	82	84	76	....	82.6
	Minimum	46	58	64	62	49	45	46	60	56	60	64	63	62	60	62	61	50	63	63	66	67	64	49	52	56	60	69	64	53	59	....	68.1
Jersey City	Maximum	84	90	94	76	80	82	83	77	80	76	83	80	68	66	77	80	82	73	76	84	84	78	73	65	80	88	77	80	79	72	....	78.9
	Minimum	55	64	68	63	57	59	57	59	60	62	62	65	61	60	61	61	61	63	64	66	66	57	57	56	57	62	68	63	59	59	....	61.0
Lambertville	Maximum	83	91	94	72	78	82	84	81	89	79	87	84	69	68	76	79	82	76	79	83	81	74	70	63	77	87	78	80	79	72	....	79.2
	Minimum	60	62	65	60	52	55	51	59	57	62	58	56	60	60	61	60	51	62	63	67	62	53	50	51	55	51	60	60	53	58	....	57.5
Little Falls§§	Maximum	86	92	95	79	82	86	84	81	83	75	82	80	71	67	76	80	82	71	80	85	84	78	75	68	82	86	90	80	81	71	....	80.4
	Minimum	46	64	64	60	47	46	47	68	57	60	58	63	61	60	60	57	60	60	64	66	66	50	48	52	56	63	62	61	50	57	....	57.4
Newark	Maximum	85	91	93	77	80	82	80	76	76	74	79	78	66	64	74	77	78	72	75	84	83	76	74	66	79	89	76	81	81	72	....	77.9
	Minimum	54	61	67	64	57	56	55	68	58	61	61	65	60	60	62	64	57	64	67	67	62	56	53	54	58	62	66	64	59	59	....	60.4
New Brunswick	Maximum	83	91	94	92	78	81	81	77	77	75	85	78	73	67	74	79	83	77	79	83	82	78	73	65	79	89	87	80	79	77	....	79.9
	Minimum	53	63	66	62	52	50	49	69	56	60	61	65	61	60	61	59	52	62	65	66	70	54	49	53	57	61	69	63	54	58	....	59.0
Paterson	Maximum	85	91	95	76	80	84	82	80	81	74	80	79	74	65	76	79	81	73	77	85	84	76	74	67	81	90	85	79	80	75	....	79.6
	Minimum	56	63	65	63	54	53	61	59	59	62	60	64	61	60	62	62	53	61	66	67	67	53	57	53	57	64	70	67	55	68	....	60.4
Plainfield	Maximum	86	92	96	75	82	83	85	78	80	77	85	80	68	67	78	82	84	75	78	84	85	79	73	64	80	89	77	83	79	73	....	79.9
	Minimum	49	58	63	63	55	49	50	60	59	61	61	63	62	60	62	60	51	62	64	66	67	55	50	54	57	59	66	62	53	59	....	68.7
Ridgefield	Maximum	85	91	93	75	80	83	82	80	81	73	82	78	66	62	75	78	80	72	77	83	83	74	73	67	79	90	75	78	78	70	....	78.1
	Minimum	64	61	68	63	51	51	51	59	59	61	60	65	61	60	62	60	53	65	68	68	61	54	61	53	56	62	70	64	55	59	....	59.5
Somerville	Maximum	84	90	94	76	80	83	85	79	79	77	84	77	71	70	78	82	75	80	79	83	83	74	73	63	77	87	78	79	79	71	....	79.0
	Minimum	51	58	67	61	49	55	48	59	57	59	62	64	61	60	61	49	62	64	64	66	63	49	48	51	55	59	68	64	54	67	....	58.1
New York, N. Y.	Maximum	80	86	89	74	76	80	77	73	76	74	77	77	67	64	72	76	77	69	73	83	81	74	71	66	77	85	76	77	78	71	....	75.9
	Minimum	55	65	69	63	57	61	58	58	61	63	62	65	61	60	61	62	62	64	65	66	61	57	58	55	57	63	69	65	60	59	....	61.4
The Southern Interior.																																	
Belleplain	Maximum	84	88	92	88	74	84	81	79	75	78	90	82	85	71	78	80	80	75	81	82	88	84	65	64	74	87	85	85	81	80	....	80.7
	Minimum	51	64	68	63	52	47	44	58	59	62	61	65	61	59	61	56	48	65	65	66	74	57	44	54	55	60	66	61	50	57	....	58.4
Bridgeton	Maximum	83	91	93	82	82	85	83	81	83	82	87	81	68	69	79	82	81	78	78	85	87	75	67	61	78	91	82	83	83	78	....	80.6
	Minimum	63	66	65	55	51	51	58	59	61	62	66	62	59	61	61	54	65	65	65	67	58	50	53	53	59	66	69	55	57	61	....	59.9
Burlington	Maximum	86	92	95	95	86	85	87	85	85	78	90	90	79	71	78	80	86	80	81	85	86	84	76	80	80	88	87	82	89	80	....	84.2
	Minimum	51	63	68	64	55	52	49	60	60	61	63	67	63	62	62	61	50	62	65	67	71	67	47	54	58	61	69	65	54	59	....	60.0
Camden	Maximum	85	92	97	76	80	85	87	86	82	83	90	78	70	68	78	81	86	81	80	88	87	75	74	62	78	91	79	82	82	75	....	81.3
	Minimum	69	74	70	65	61	62	52	59	62	62	64	67	62	61	63	62	54	65	65	69	65	57	51	56	59	64	70	66	61	60	....	62.6
Freehold	Maximum	85	91	96	89	79	83	82	79	77	79	83	79	74	66	75	79	84	80	79	84	83	80	74	66	77	90	89	80	81	80	....	80.8
	Minimum	59	63	68	62	49	48	56	58	51	60	61	61	60	59	61	58	52	63	61	65	68	54	48	54	51	60	69	65	54	57	....	58.5
Hammonton	Maximum	87	92	96	86	83	87	87	83	83	82	91	85	67	70	79	81	86	78	81	86	87	82	69	65	77	90	89	84	81	80	....	82.5
	Minimum	52	65	70	64	53	48	45	60	60	62	63	66	62	60	63	58	51	66	65	67	72	57	47	55	57	62	69	65	55	58	....	59.9
Hightstown	Maximum	83	90	94	77	80	82	84	80	76	77	88	78	71	67	75	81	86	76	79	85	83	76	71	63	79	89	80	80	80	74	....	79.5
	Minimum	51	61	69	61	50	46	47	58	55	60	62	65	61	60	62	59	51	63	64	66	69	53	47	53	56	59	68	64	51	57	....	58.3
Indian Mills	Maximum	87	93	98	80	80	87	78	84	83	83	88	80	68	70	78	79	85	77	78	84	87	76	70	65	78	92	83	83	82	72	....	80.9
	Minimum	51	63	69	62	51	45	43	59	59	61	61	66	62	60	62	56	49	64	64	66	71	57	45	54	54	59	67	64	49	58	....	58.4
Lakewood	Maximum	88	92	96	85	81	83	80	77	76	78	81	80	77	65	73	80	82	77	80	86	85	73	70	64	78	90	87	82	81	77	....	80.1
	Minimum	51	63	67	64	50	48	44	59	57	60	63	67	60	59	62	59	49	64	67	66	69	56	45	57	57	62	71	65	53	59	....	59.1
Maple Shade	Maximum	85	92	96	78	82	87	89	86	81	86	91	80	73	69	78	82	88	83	80	87	86	86	72	67	79	91	80	81	81	75	....	82.4
	Minimum	53	62	70	63	54	50	59	58	60	61	63	66	63	61	63	60	53	64	65	67	72	56	49	54	54	63	69	66	57	58	....	60.4
Moorestown	Maximum	84	91	95	76	79	84	86	85	80	83	89	78	67	68	78	79	85	81	79	85	84	74	72	62	77	90	79	80	80	74	....	80.1
	Minimum	55	63	68	62	55	48	48	59	60	61	62	67	61	61	62	55	52	63	65	68	62	56	54	54	57	62	69	62	56	59	....	59.5
Pemberton	Maximum	85	92	97	79	80	87	87	84	83	83	90	85	70	67	77	80	81	81	81	80	82	83	72	65	77	90	90	87	81	78	....	81.8
	Minimum	52	62	68	62	51	49	48	58	58	60	62	67	62	61	62	59	49	64	66	66	71	57	46	54	57	58	69	65	53	58	....	59.1
Pleasantville§§	Maximum	81	75	80	81	79	80	76	73	73	75	76	79	70	69	76	82	75	73	76	80	90	76	66	66	75	91	89	85	83	73	...	77.4
	Minimum	55	59	62	63	54	51	45	60	61	62	62	67	63	60	61	58	50	66	67	67	70	58	46	57	56	58	68	67	52	58	....	59.4
Runyon	Maximum	78	91	96	88	82	79	75	73	73	78	82	84	78	74	76	79	82	77	79	87	82	79	77	82	80	83	84	82	83	80	....	80.8
	Minimum	42	56	72	61	44	44	42	58	54	62	60	58	60	61	62	48	44	63	67	49	56	49	68	68	60	62	68	70	68	68	....	58.1
Trenton	Maximum	83	90	94	75	79	84	84	82	77	79	88	78	69	67	75	80	84	76	80	85	84	74	71	61	78	91	77	80	82	74	....	79.4
	Minimum	54	64	69	63	56	57	53	59	58	59	63	66	60	60	62	62	57	65	66	67	62	56	53	53	58	62	69	65	57	58	....	60.4
Tuckerton	Maximum	75	80	85	83	80	80	79	72	74	73	80	80	70	72	74	75	74	75	74	82	89	78	68	69	75	91	74	87	85	84	....	77.9
	Minimum	55	58	60	55	60	48	45	55	58	56	65	65	60	58	55	58	65	62	65	67	68	55	45	55	55	65	56	60	50	55	....	57.8
Philadelphia, Pa.	Maximum	83	89	93	77	80	86	85	84	81	81	88	79	69	69	80	82	83	81	78	85	85	76	71	62	77	90	79	81	81	74	....	80.3
	Minimum	58	67	71	66	61	63	62	61	62	63	64	67	62	61	64	65	63	65	65	68	65	61	59	55	59	64	69	66	63	60	....	63.3
The Sea Coast.																																	
Atlantic City	Maximum	69	68	72	71	73	73	72	67	67	72	73	75	68	68	75	76	73	71	74	76	90	68	65	64	71	87	73	86	82	72	....	73.0
	Minimum	58	59	58	62	59	58	58	60	60	62	62	67	63	61	61	62	61	67	67	67	65	60	59	58	57	65	68	64	59	59	....	61.5
Long Branch	Maximum	87	86	87	76	80	79	75	67	73	71	80	80	65	63	73	78	75	71	75	78	86	69	70	64	76	91	76	80	80	70	....	76.0
	Minimum	66	67	65	62	56	50	50	56	56	62	63	65	61	60	61	58	51	67	67	67	67	54	48	58	58	66	70	60	53	59	....	59.8
Sandy Hook	Maximum	81	86	88	75	77	77	71	67	71	71	75	76	64	64	71	76	73	71	73	78	83	73	69	65	77	86	77	78	78	71	....	74.7
	Minimum	58	66	64	59	58	58	58	57	57	61	61	62	61	61	64	64	62	66	67	66	64	61	59	58	61	66	71	64	63	60	....	61.9

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
H. O. GEREN.
TRENTON, N. J.

VOL. XLI. JULY, 1936. No. 7.

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GENERAL SUMMARY.

While the month as a whole averaged less than one degree above the normal, a record breaking period of heat occurred around the 9th and 10th. Temperatures ranging mostly between 102° and 106°, inclusive, were recorded on the 9th and 10th and the all-time records for high temperatures were equalled or broken at two-thirds of the stations in the State. All stations, except Atlantic City, reported a temperature of 100 degrees or higher, the highest being 110 degrees at Runyon, Middlesex County. Excepting the warm period from the 8th to about the 18th, inclusive, the remainder of the month was mostly below normal. The lowest temperatures were in the forties in the Highland section and in the fifties over the remainder of the State; they occurred on several dates, most commonly the 31st.

The rainfall was much below the normal in amount. Showers were frequent but light. The most general came on the 1st, 5th, 12th, 19-20th, and 24th, and additionally over the southern half of the State on the 27th and 29th. By sections the averages were as follows in percentages of the normal. The Highlands, 29%; Red Sandstone Plain, 46%; Southern Interior, 72%; Sea Coast, 51%; State, 52%. The variation was from about one-fourth of the normal in the Highlands to about three-fourths in the Southern Interior. Numerous thunderstorms occurred; in some cases attended by hail which, in Mercer and Burlington counties on the 18th, did considerable damage.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 74.6°, which was 0.9° above normal. The highest temperature was 110° at Runyon on the 10th, and the lowest, 40°, at Charlotteburg on the 31st. The greatest daily range of temperature was 44° at Charlotteburg on the 15th. The highest monthly mean temperature was 77.2° at Burlington, and the lowest, 71.0° at Canoe Brook.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, +0.3°; Red Sandstone Plain, +0.1°; Southern Interior, —0.7°; Sea Coast, 0.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 2.47 inches, which was 2.32 inches below normal. The greatest monthly precipitation was 6.44 inches, at Bridgeton, and the least, 0.38 inch at Newton. The greatest amount of precipitation in any 24 consecutive hours was 2.07 inches at Bridgeton on the 24th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +4.15 inches; Red Sandstone Plain, +2.71 inches; Southern Interior, +0.65 inch; Sea Coast, —1.84 inches

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 11, 12, 14, 18, 23.

THUNDERSTORMS: 1, 4, 5, 9, 10, 11, 12, 13, 14, 15, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly Velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	29.90	30.32	31	29.60	14	13.1	43	nw.	10	77	70	80	56
Long Branch	29.89	30.32	31	29.55	14	10.5	36	e.	14	70	52	63	72
Ridgefield	29.88	30.30	31	29.56	14	......	....	......	....	....	....	....	....
Sandy Hook	29.88	30.30	31	29.57	14	11.7	39	n.	14	75	60	75	73
Trenton	29.88	30.31	31	29.57	14	8.4	27	e.	24	69	47	62	75

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
Period	73.7	110	33	4.79	0	10	13	11	7

Climatological Data for July, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	75.0	+1.8	106	9	47	31	37	0.96	−3.58	0.30	0	6	26	4	1	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	72.4	+2.5	105	9	40	31	44	1.57	−3.01	0.70	0	7	29	1	1	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	53	31	....	1.15	−3.63	0.40	0	4	22	9	0	n.	Brice E. Riker.
Dover	Morris	600	52	73.0	+1.6	102	9†	48	31	33	1.30	−3.91	0.56	0	7	5	18	8	.....	William C. Harris
Layton	Sussex	480	35	72.2	+1.3	103	9	41	31	42	2.04	−2.36	1.38	0	3	16	6	9	sw.	A. M. Depue.
Newton	Sussex	769	53	74.1	+1.6	102	9†	51	2	36	0.38	−4.45	0.19	0	3	17	7	7	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	74.4	+0.5	104	9†	49	31	36	2.33	−2.15	1.04	0	9	20	5	6	......	Town Engineer.
Sussex	Sussex	442	41	76.0^{g}	+4.0	106	10	52	1	38	0.94	−2.88	0.58	0	3	17	11	3	......	A. J. W. Mowatt
Means and extremes	......	......	....	73.9	+1.9	106	9†	40	31	44	1.33	−3.25	1.38	0	5	19	8	4	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	72.6	+0.7	102	9†	47	31	36	1.08	−3.56	0.38	0	8	22	0	9	ne.	John Kline.
Canoe Brook	Essex	173	6	71.0	......	102	9†	43	31	43	1.63	......	0.76	0	8	20	6	5	w.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	...	1.42	−3.52	0.57	0	9	19	10	2	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	75.4	+0.2	105	9†	54	31	36	2.64	−2.08	1.35	0	9	24	2	5	w.	Union County Park Comm.
Flemington	Hunterdon	140	§50	76.4	+1.9	106	10	52	31	36	2.29	−2.56	0.82	0	9	22	6	3	w.	Hiram E. Deats
Jersey City	Hudson	10	38	76.0	+0.2	105	10	60	1†	30	2.44	−1.91	0.92	0	6	10	16	5	s.	S. K. Pearson.
Lambertville	Hunterdon	430	49	74.8	+0.8	104	9†	54	27†	37	1.23	−3.41	0.48	0	10	21	7	3	w	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	74.4	+0.6	105	9	50	31	38	2.81	−1.91	0.88	0	8	19	8	4	ne.	Passaic Valley Water Co
Newark	Essex	10	....	74.9	+0.3	104	9	58	31	33	2.40	−2.43	0.84	0	9	11	15	5	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	75.3	−1.3	105	9	56	31	33	1.20	−4.03	0.42	0	9	21	9	1	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	2.73	−2.39	1.62	0	....	8	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	75.1	+0.6	105	9	56	1	34	4.44	+0.14	1.57	0	6	21	8	2	s.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	75.0	+1.4	106	10	53	1	34	1.32	−4.23	0.37	0	9	14	10	7	s.	S. K .Pearson.
Ridgefield	Bergen	80	19	74.4	+1.5	102	9	56	31	32	2.32	−2.50	0.88	0	7	15	12	4	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	73.9	−0.1	102	10	54	26†	32	2.89	−2.35	1.21	0	8	21	5	5	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	....	....	2.23	−2.34	1.01	0	6	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	74.8	+1.0	102	9	61	30	26	2.37	−1.87	0.88	0	8	11	12	8	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.6	+0.8	106	10	43	31	43	2.19	−2.61	1.62	0	8	19	8	4	w.	
The Southern Interior.																				
Belleplain	Cape May	30	42	74.0	+0.6	102	10	50	16	39	5.40	+1.09	1.67	0	10	20	5	6	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	74.7	−1.8	104	10	55	31	33	6.44	+1.99	2.07	0	12	19	1	11	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	77.2	+0.4	106	10	56	7†	40	1.68	−3.26	0.47	0	11	20	3	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	76.5	......	105	9†	60	26	31	2.47	......	0.57	0	10	10	14	7	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	75.0	......	106	9	54	31	33	1.74	−3.52	0.70	0	9	25	2	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	75.3	......	103	10	56	31	31	3.76	−0.78	1.10	0	13	10	16	5	sw.	J. G. Wilson.
Hightstown	Mercer	110	43	74.6	+0.5	105	9	53	31	33	2.65	−2.27	0.90	0	12	14	12	5	w.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	73.6	−0.9	104	10	51	19	34	4.04	−0.71	1.16	0	9	10	13	8	s.	James M. Armstrong.
Lakewood	Ocean	54	32	74.3	+1.3	106	10	54	7†	34	1.35	−3.65	0.56	0	11	16	10	5	sw.	R. W. Holman.
Maple Shade	Burlington	65	1	76.0	......	106	10	57	31	32	2.64	......	1.35	0	12	10	12	9	sw.	Richard J. Smith.
Moorestown	Burlington	62	73	74.9	+0.2	106	10	57	16†	32	2.73	−1.97	1.11	0	9	16	7	8	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	4.50	+0.36	1.56	0	11	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	76.2	......	107	10	56	16	34	3.93	......	1.21	0	11	14	8	9	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	73.8	......	106	10	55	16	29	2.43	−1.63	0.50	0	11	20	4	7	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	74.8	......	110	10	44	31	43	1.88	−3.50	1.25	0	5	23	8	0	w	N. J. Water Policy Comm.
Trenton	Mercer	56	64	76.3	+1.8	106	9	60	30†	33	1.75	−2.19	0.79	0	9	11	11	9	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	1.68	......	1.27	0	7	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	72.5	−1.5	105	10	55	6†	35	6.79	+2.81	1.81	0	11	19	5	7	ne.	John H. Brown.
Philadelphia, Pa	......	26	65	77.3	+1.1	104	10	62	30	29	2.60	−1.55	0.99	0	11	9	13	9	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.0	+0.1	110	10	44	31	43	3.21	−1.23	2.07	0	10	16	8	7	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	73.8	+1.7	94	9	62	7	22	3.74	−0.19	2.00	0	12	6	9	16	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	74.6	+2.5	106	9	58	26†	32	2.23	−3.62	1.25	0	7	11	12	8	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	74.8	+1.3	101	9	63	30	27	1.66	−3.46	0.97	0	4	11	9	11	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.4	+1.8	106	9	58	26†	32	2.54	−2.42	2.00	0	8	9	10	12	sw.	
For the State	......	......	....	74.6	+0.9	110	10	40	31	44	2.47	−2.32	2.07	0	8	17	8	6	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia 8-28-36-900

Daily Precipitation for July, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.15				.09					.02	.24	.30												.16			T.					0.96
Charlotteburg	Passaic					.08					.02		.02			.10				.70					.50		.15						1.57
Culvers Lake	Delaware				.12									T.						.25				.38	.40								1.15
Dover	Passaic					.07				.08		.56			.08				.27		.06				.18								1.30
Layton	Delaware														.28										1.38		.38						2.04
Newton	Delaware												.04		.19										.15			T.					0.38
Phillipsburg	....do	.19		T.		.34					.76	.28		T.	.15				T.		.24				.13	.15		.09		T.			2.33
Sussex	Hudson																			.22					.58		.14						0.94
The Red Sandstone Plain.																																	
Boonton ||||	Passaic	.06				.03	.06				.24		.02			T.				.38		.11			.18	T.			T.				1.08
Canoe Brook ||||	....do	.13				.03					.02		.27		.07	T.				.04		.76			.31								1.63
Chatham ||||	....do	.12				.05					.03		.24	T.	.02	T.				.02		.57			.34	.03							1.42
Elizabeth	Coast	.16				.07					.08	T.	1.35			.31				.14	.30			T.	.21		T.			.02			2.64
Flemington	Raritan	.14				.06							.82		.15	.27				T.	.23	T.			.45	T.	.15	.02					2.29
Jersey City	Coast					.10				T.	T.	.07	T		.92				T.	.18	.87	T.			.30		T.	T.					2.44
Lambertville	Delaware	.04		T.		.05							.48	.03	.06	.08				.05	.03				.35					.06			1.23
Little Falls ||||	Passaic	.06				.16					T.		.88		.05	.29				.67		.44			.26								2.81
Newark***	Coast					.14				T.		.82	.02		.40				.37	.02	.57			T.	.05	.01		T.		T.			2.40
New Brunswick	Raritan	.09				.07					.01	.19	.42		.09						.09				.21	.03		T.					1.20
New Milford**	Hackensack					.21						.03			.29				1.62		.18				.36	.02	.02						2.73
Paterson	Passaic	T.				.21						1.20	T.		.67					1.57	.28	T.		T.	.51		T.			T.			4.44
Plainfield	Raritan	.09				.08				T.	T.	.05	.05		.06	.04				.31	.27			.37						T.			1.32
Ridgefield**	Hackensack					.18				T.	T.	.07			.35				T.	.69	.88	.02		T.	.13	T.		T.		T.			2.32
Somerville	Raritan	.14				.18				T.			.21		.23	.37				.32	1.21				.23								2.89
Woodcliff Lake**	Hackensack					.12						.08							1.01	.05	.10				.87								2.23
New York, N.Y***	Coast					.10					T.	.06	T.		.88				.10	.08	.81	T.			.32	T.		T.		.02			2.37
The Southern Interior.																																	
Belleplain	Tuckahoe	.12		T.		1.67						.10	1.20	.10							.25				1.56	T.	.18	.11	.11	T.			5.40
Bridgeton	Delaware	.11		.12	1.65	.14					.24	.26	.10								.59			.11	2.07			.25		.80			6.44
Burlington	Delaware	.03		.03		.04						.18	.12								.16				.47	.06		.05	.30	.24			1.68
Camden**	..do			.01		.11					.01	.45									.35				.57	.07		.10	.33	.47			2.47
Freehold	Raritan	.05				.04						.12	.70			.28									.17		.19	.01		.18			1.74
Hammonton	Mullica	.04		T.	.44	*	.52					.48	.05	.40		.05					.27				1.10			.09	.09	.11	.12		3.76
Hightstown	Raritan			.01		.27						.90	.03	T.	.03	.18			.25		.03			T.	.80		.01	.03		.11			2.65
Indian Mills	Mullica			.05	T.	.38					T.	.68	.24								.28				.93			.12	.20	1.16			4.04
Lakewood	Metedeconk	.04		T.		.10							.04	T.		.05			.11		.04	T.			.56		T.	.04	.05	.27	.05		1.35
Maple Shade	Delaware	T.		01	.13	T.	T.	T.		T.	.01	.07		T.	T.			T.	T	.02	.13	T.		.30	.24	.01	.08	.29	T.	1.35			2.64
Moorestown ||||	....do					.15				T.	T.	.27							.21		.15			.29	.25		.02	.28		1.11			2.73
Northfield	Coast	.14		T.	.04	1.07							1.56	.04							.08	T.			1.00		.08	.02	.04	.43			4.50
Pemberton	Delaware	.01		T.		.15						.38	.08		T.					.61	.17				.56			.35	.22	1.21	.19		3.93
Pleasantville ||||	Coast	.10	.03			.41	.03						.35	.10								.05			.06	.30			.50		.50		2.43
Runyon	Coast	.12				.15							1.25		.08										.28								1.88
Trenton***	Delaware	.01		.01		.01					T.	T.	.16	T.	T.				.19	T.	.01			T.	.79			.02		.55			1.75
Trenton No. 2**	....do			T.		T.						T.	.22		.01				.02		.02				1.27			.03		.11			1.68
Tuckerton	Coast	.82			.50	.84							1.30	.14							.03				1.81			.08	.09	1.12	.06		6.79
Phila., Pa***	Delaware	T.		.02		.09					.01	.21	.02							T.	.22				.63	.04		.07	.30	.99			2.60
The Sea Coast.																																	
Atlantic City***	Coast	.03		T.	.09	.58					T.	.16	.02	.01							.04	T.			2.00	.12		.24	.02	.43			3.74
Long Branch**	....do	.11		T.		.07						.01		T.	1.25				T.		T.				.26	.33		T.		.20			2.23
Sandy Hook***	....do			T.		.50						T.			.97				.02	T.	T.			T.	.17			T.		T.			1.66

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.058	.192	.240	.088	.222	.152	.216	.192	.192	.196	.288	.126	.208	.134	.176	.272	.208	.216	.136	.192	.024	.128	.192	.150	.096	.224	.208	.032	.168	.152	.216	5.294
	Wind movement	4	6	12	17	19	8	11	5	20	9	16	13	18	16	20	18	11	13	12	9	11	4	13	37	13	19	17	3	8	12	13	407
Pleasantville**	Evaporation	*	.254	.032	.218	.318	.240	.288	.320	.320	*	.030	.196	.160	.240	.272	.352	.240	.064	.352	.050	.224	.192	.188	.108	.288	.288	.116	.160	.180	.202	.160	6.052
	Wind movement	11	32	34	60	44	45	75	81	60	71	61	65	58	84	41	52	63	75	73	33	51	70	125	36	47	62	30	41	46	42	24	1692
Runyon	Evaporation	.120	.180	.180	.210	.150	.210	.210	.210	.210	.240	.250	.290	.240	.260	.240	.240	.240	.240	.210	.180	.200	.180	.180	.280	.240	.240	.180	.180	.100	.180	.180	6.450
	Wind movement	10	12	7	9	10	11	10	13	23	13	16	22	38	42	42	15	14	13	18	24	36	34	38	36	33	29	11	10	11	12	12	624

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

ERRATA.

October, 1935: Canoe Brook, highest temperature should be 78 on the 18th. Indian Mills, lowest temperature should be 31 on the 17th. Somerville, days clear should be 17, days cloudy should be 6. December, 1935: Bridgeton, lowest temperature should be 6 on the 25th. Phillipsburg, highest temperature should be 53 on the 9th, Runyon, days cloudy should be 6. January, 1936: Bridgeton, mean maximum temperature should be 36.9, mean temperature should be 28.4. Newton, monthly snowfall should be 21.0 inches. Runyon, mean maximum temperature should be 37.5, mean minimum should be 16.5, mean temperature should be 27.0. Charlotteburg, monthly precipitation should be 6.84, greatest precipitation in 24 hours, 2.23 inches. Culvers Lake, monthly precipitation should be 5.97 inches, greatest precipitation in 24 hours, 2.35 inches. Belleplain, monthly precipitation should be 5.23 inches. Northfield, monthly precipitation should be 4.04 inches. February, 1936: Bridgeton, monthly mean temperature should be 26.9.

Daily Temperatures for July, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	81	88	81	90	88	85	91	97	106	105	103	97	89	97	91	89	90	92	89	82	85	88	91	84	87	92	78	91	89	84	85	88.7
	Minimum	54	57	63	61	64	56	61	62	70	68	72	68	69	71	61	55	57	67	61	62	62	59	61	67	55	53	57	65	60	56	47	61.3
Charlotteburg	Maximum	81	85	83	86	87	82	94	102	105	102	103	90	92	93	95	88	89	89	85	82	75	82	88	87	84	86	86	90	91	89	80	88.7
	Minimum	48	47	54	53	54	57	58	59	73	63	66	64	67	71	51	47	50	58	59	56	59	52	53	64	50	50	48	53	62	53	40	56.1
Dover	Maximum	80	86	74	85	84	80	87	93	102	102	102	89	86	92	88	82	88	81	85	71	74	82	87	78	81	86	75	90	86	79	78	85.0
	Minimum	53	55	60	62	61	58	60	64	75	69	71	70	69	71	59	55	57	64	61	61	61	57	59	66	55	53	55	56	66	56	48	60.9
Layton	Maximum	81	84	76	85	85	84	88	99	103	102	102	95	90	99	90	87	89	89	88	81	81	85	89	85	82	87	87	93	85	78	83	88.1
	Minimum	46	47	58	55	56	50	53	59	67	66	64	65	67	70	53	47	50	61	55	56	58	50	60	65	52	50	50	58	64	52	41	56.3
Newton	Maximum	81	85	77	85	85	84	87	95	102	101	102	98	89	96	88	87	80	88	88	81	82	86	91	83	84	88	83	93	89	79	84	88.1
	Minimum	52	51	60	60	60	55	58	63	71	70	70	66	66	69	62	57	58	64	58	58	60	54	60	64	55	55	55	57	66	54	54	60.1
Phillipsburg	Maximum	79	85	77	87	84	86	88	95	104	104	99	93	84	95	91	82	89	89	86	75	79	84	89	83	84	90	69	93	86	81	83	86.9
	Minimum	57	58	63	60	56	62	57	61	71	69	72	71	72	72	62	56	59	67	64	63	63	57	62	67	57	54	57	60	64	58	49	61.9
Sussex	Maximum	85	90	85	85	89	89	92	100	104	106	103	....	....	....	....	89	90	93	....	91	88	90	93	92	85	90	87	95	89	....	....	91.7[g]
	Minimum	52	53	61	60	60	54	58	62	73	70	71	....	....	....	58	53	57	65	61	72	62	55	61	67	53	54	54	57	66	....	....	60.3[e]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	79	85	77	80	83	83	88	91	102	101	102	93	85	92	88	84	87	84	85	71	78	82	88	81	80	86	69	91	88	80	82	85.3
	Minimum	52	53	58	58	58	57	56	63	71	68	72	67	69	71	58	56	57	61	59	59	63	58	56	63	65	58	54	55	59	59	47	60.0
Canoe Brook§§	Maximum	80	84	76	85	83	82	88	94	102	102	100	90	86	92	87	85	85	83	85	73	76	80	89	81	81	91	70	92	90	80	80	85.5
	Minimum	51	53	56	55	59	52	53	56	66	64	66	65	68	68	53	46	52	59	61	57	61	54	55	66	51	48	47	52	60	54	43	56.5
Elizabeth	Maximum	82	84	78	88	82	84	90	97	105	105	100	91	84	94	90	92	88	83	87	75	77	83	90	81	84	90	88	96	91	82	80	87.8
	Minimum	57	58	61	62	66	63	59	63	72	71	74	69	70	70	62	60	63	66	62	64	65	60	60	68	60	55	57	60	66	58	54	63.1
Flemington	Maximum	84	90	83	90	87	85	90	98	105	106	105	99	90	94	90	89	92	89	89	85	78	89	91	86	85	91	82	97	90	83	83	90.2
	Minimum	57	58	62	61	66	60	60	65	75	72	75	69	70	70	63	55	61	66	64	62	62	59	60	67	57	55	57	61	67	57	52	62.7
Jersey City	Maximum	80	79	76	86	83	84	87	95	103	105	99	91	84	93	90	87	88	84	87	73	77	82	85	78	82	87	74	93	90	81	80	86.1
	Minimum	60	61	62	64	66	62	63	66	76	75	76	70	70	70	70	66	67	67	64	64	65	63	64	69	64	60	64	64	70	61	61	65.9
Lambertville	Maximum	78	87	78	86	83	82	88	94	104	104	101	94	86	94	92	94	88	91	84	78	74	80	91	79	82	87	85	84	74	88	90	87.1
	Minimum	61	62	59	64	66	61	60	68	73	67	73	72	68	69	65	68	60	62	62	64	62	57	60	57	57	57	54	58	54	60	60	62.6
Little Falls§§	Maximum	82	86	77	87	85	83	92	96	105	104	102	93	88	93	91	86	88	84	87	72	78	84	89	83	84	88	83	95	91	82	84	87.8
	Minimum	54	56	59	59	61	60	58	62	73	69	74	67	69	71	59	55	60	63	62	61	62	59	59	67	56	53	57	57	65	58	50	61.1
Newark	Maximum	79	83	75	87	80	79	86	96	104	103	98	90	83	94	89	86	85	81	85	74	74	81	82	79	82	89	72	92	90	79	79	85.1
	Minimum	60	61	64	64	66	63	61	63	73	72	69	69	70	70	66	63	64	68	64	65	64	61	62	68	64	59	63	63	69	61	58	64.7
New Brunswick	Maximum	79	86	77	86	85	81	87	96	105	103	100	88	84	93	90	86	83	83	84	80	76	82	89	84	82	88	86	92	90	83	79	86.7
	Minimum	61	59	60	64	67	61	60	63	73	71	74	71	68	70	67	59	64	66	62	63	64	60	61	68	60	57	61	63	69	58	56	63.9
Paterson	Maximum	81	85	77	88	84	81	89	96	105	103	99	90	85	93	89	86	88	82	85	75	76	83	86	81	82	88	75	94	91	80	81	86.4
	Minimum	56	59	61	62	64	62	60	68	76	72	68	68	70	72	65	62	64	65	62	64	62	61	60	68	61	62	59	60	70	59	57	63.8
Plainfield	Maximum	80	78	81	87	84	87	88	96	104	106	100	92	84	95	91	88	90	84	87	73	77	83	90	80	83	87	72	94	91	82	80	86.9
	Minimum	53	59	59	63	66	63	61	64	72	72	75	70	70	70	63	56	63	67	64	63	63	59	61	68	58	55	59	61	67	58	54	63.1
Ridgefield	Maximum	79	83	77	87	83	82	87	95	102	100	95	90	84	93	89	85	86	81	84	72	75	81	85	81	83	87	71	93	88	80	79	85.1
	Minimum	57	59	62	65	64	62	60	66	75	70	75	68	70	71	63	59	63	66	63	64	63	60	63	68	59	58	57	61	70	59	56	63.7
Somerville	Maximum	77	85	76	85	81	82	87	93	101	102	100	92	85	92	87	85	87	83	86	78	77	81	88	80	80	86	81	91	89	80	79	85.7
	Minimum	55	57	60	62	68	56	61	63	71	71	72	69	68	69	62	59	62	64	62	61	62	59	61	66	58	54	57	60	68	55	54	62.1
New York, N. Y	Maximum	78	78	73	84	79	79	85	93	102	100	96	89	82	90	87	84	83	81	83	72	76	80	80	75	79	85	74	91	86	78	78	83.2
	Minimum	61	62	64	65	66	62	63	67	76	75	76	70	69	70	72	67	68	68	64	65	65	64	65	69	65	61	64	65	71	61	61	66.5
The Southern Interior.																																	
Belleplain	Maximum	73	79	74	85	82	80	82	88	98	102	94	93	84	88	91	89	89	89	84	78	76	82	87	84	82	85	83	87	88	77	78	84.9
	Minimum	63	61	62	66	64	58	53	64	71	74	71	68	68	65	72	50	57	66	65	59	64	57	59	67	59	58	61	67	71	55	57	63.0
Bridgeton	Maximum	68	81	75	87	83	82	84	90	99	104	93	92	81	89	92	88	91	89	86	78	79	81	86	78	83	85	80	89	87	76	77	84.9
	Minimum	62	63	64	65	61	60	65	70	74	71	70	68	67	71	61	63	67	68	64	65	60	65	67	61	60	63	61	69	59	59	55	64.5
Burlington	Maximum	79	87	80	90	85	84	90	94	105	106	102	98	90	93	96	92	90	95	89	85	81	84	91	89	85	89	87	95	90	81	81	89.8
	Minimum	62	61	63	64	68	60	56	64	73	72	73	72	69	69	56	61	64	78	65	63	67	61	60	73	61	61	62	62	68	60	58	64.7
Camden	Maximum	77	85	79	88	82	82	85	92	105	105	92	95	86	92	91	90	90	92	86	73	80	83	90	77	84	87	76	91	88	77	78	86.4
	Minimum	64	64	66	68	69	65	63	69	74	76	72	72	70	71	67	61	63	68	68	66	65	63	65	69	63	60	64	68	70	61	61	66.6
Freehold	Maximum	76	83	80	88	84	82	88	96	106	104	103	93	85	91	90	88	86	88	86	79	79	84	89	84	83	87	84	92	89	79	79	87.3
	Minimum	61	58	60	64	67	57	56	64	73	71	75	67	68	67	64	57	61	66	63	62	65	61	58	68	58	55	58	65	67	56	54	62.8
Hammonton	Maximum	72	82	79	87	80	81	86	90	102	103	100	95	83	90	89	88	89	90	88	77	78	84	89	84	87	87	79	90	86	77	78	86.1
	Minimum	63	63	64	65	68	61	58	65	73	74	71	71	68	66	68	57	62	68	67	63	65	60	63	69	59	57	60	65	71	59	56	64.5
Hightstown	Maximum	80	86	80	87	80	81	87	95	105	104	100	92	85	91	89	86	88	82	83	78	76	84	90	78	82	87	79	92	87	80	80	86.4
	Minimum	61	60	61	65	67	58	58	64	72	71	73	69	68	68	64	55	58	64	63	63	64	58	60	68	59	56	58	65	68	56	53	62.8
Indian Mills	Maximum	75	84	77	76	79	81	86	93	103	104	97	94	84	92	90	88	80	91	85	76	77	83	88	81	83	88	79	90	86	77	77	85.3
	Minimum	54	61	62	64	66	58	54	63	72	75	69	70	67	67	70	54	59	64	51	61	65	61	59	63	58	56	60	66	66	56	55	62.0
Lakewood	Maximum	75	81	80	88	79	79	85	93	103	106	100	90	82	92	89	88	84	85	82	76	75	80	88	81	81	87	84	89	90	78	77	85.4
	Minimum	63	58	60	64	68	58	54	64	74	74	75	69	69	68	65	54	61	65	64	61	66	59	58	69	59	57	58	67	68	56	55	63.2
Maple Shade	Maximum	76	85	81	88	83	84	88	93	105	106	99	97	85	91	92	89	90	92	87	77	80	86	92	77	84	88	76	91	88	78	79	87.3
	Minimum	62	62	64	66	68	60	60	67	73	74	73	72	69	70	66	59	62	64	66	63	65	60	62	68	60	58	61	63	69	59	57	64.7
Moorestown	Maximum	76	85	78	86	82	82	87	93	104	106	98	94	84	92	90	88	89	91	86	74	80	83	90	75	82	87	76	89	88	75	78	86.1
	Minimum	62	62	63	66	62	61	60	66	74	74	70	70	69	69	64	57	61	64	65	63	63	59	62	67	59	57	59	67	66	58	57	63.7
Pemberton	Maximum	79	85	80	90	82	82	89	93	105	107	104	98	88	91	90	90	92	92	87	74	79	84	89	86	84	87	87	92	91	79	79	88.2
	Minimum	64	61	62	65	68	58	57	64	74	82	71	71	69	67	68	56	59	64	66	62	66	60	61	68	60	58	60	68	68	57	57	64.2
Pleasantville§§	Maximum	70	76	72	87	80	80	79	90	101	106	96	92	78	89	92	84	83	85	80	77	76	78	81	80	84	81	80	89	83	77	77	83.3
	Minimum	61	62	60	66	67	59	56	64	72	79	76	69	68	65	71	55	60	71	66	61	70	59	66	69	60	57	60	63	69	57	58	64.4
Runyon	Maximum	82	84	82	90	89	88	92	98	109	110	105	89	90	93	92	87	88	89	92	92	89	88	89	86	86	87	89	92	94	89	78	90.6
	Minimum	60	48	46	64	63	50	49	67	79	78	73	73	72	73	70	67	60	49	52	49	54	50	59	59	49	50	54	58	56	52	44	58.9
Trenton	Maximum	79	86	78	87	83	82	89	93	106	104	100	95	84	93	89	86	90	91	84	76	78	81	88	77	82	88	75	92	87	79	80	86.6
	Minimum	62	63	63	65	69	62	62	67	73	78	74	70	69	69	72	66	66	67	65	66	65	61	64	67	63	61	63	67	68	60	60	66.0
Tuckerton	Maximum	72	78	74	88	80	78	80	91	102	105	97	94	78	89	87	85	80	85	80	81	76	75	82	80	80	80	80	89	81	75	75	83.1
	Minimum	60	61	60	68	60	55	55	62	70	70	71	72	65	60	68	57	60	65	60	61	60	58	60	60	62	58	60	65	60	61	56	61.9
Philadelphia, Pa	Maximum	76	83	78	86	83	83	87	91	103	104	98	97	84	90	92	88	90	91	86	74	79	82	89	77	82	86	77	90	88	77	79	86.1
	Minimum	64	66	65	67	67	66	65	70	74	81	74	71	70	70	78	72	72	72	69	66	67	65	66	68	66	66	64	69	67	62	64	68.5
The Sea Coast.																																	
Atlantic City	Maximum	68	75	70	86	78	73	76	84	94	92	90	92	74	85	86	83	80	80	77	75	73	76	78	78	83	77	77	85	79	76	75	79.8
	Minimum	64	65	66	68	67	64	62	69	73	78	72	70	69	69	73	68	69	73	71	67	70	64	70	66	64	64	67	69	67	62	63	67.8
Long Branch	Maximum	73	77	73	87	78	77	83	96	106	104	95	82	78	94	89	85	80	82	80	77	76	76	83	77	83	86	75	89	90	78	75	83.4
	Minimum	63	61	64	66	63	63	58	69	76	72	75	71	68	68	65	64	68	70	66	66	66	65	65	69	64	58	63	67	69	60	58	65.8
Sandy Hook	Maximum	75	76	71	85	74	79	81	91	101	99	93	79	79	88	86	84	78	78	80	77	75	76	79	77	81	84	76	89	85	79	76	81.6
	Minimum	64	65	65	67	67	66	64	69	74	72	74	70	69	70	71	69	68	68	68	70	66	65	66	70	68	66	68	69	71	63	66	68.0

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XLI. AUGUST, 1936. No. 8.

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GENERAL SUMMARY.

The weather during the month was warm and somewhat dry, the average temperature for the State for August having been higher only twice during the past thirty years. The warmest periods came during the 3d and 4th and the 23d to 25th, the former being general over the State and the latter mostly in the southern portion. The highest points reached by the thermometer were in the high nineties, with two stations reporting 100 or over. The cool periods were of short duration and centered about the 6th and 7th and on the last day of the month. The lowest reported were in the forties in the extreme north portion and in the fifties elsewhere. They were recorded mostly at the beginning and the ending of the month.

Rain was frequent during the latter half of the month but rather substantial amounts occurred during the 4th to 7th, inclusive. Averages for the various subdivisions, in percentages of their respective normals, were as follows: The Highlands, 108%; Red Sandstone Plain, 89%; Southern Interior, 78%; Sea Coast, 61%; State, 87%. The heaviest general rains occurred on the 23d and 24th over the northern half, on the 6th and 7th over the State as a whole, and on the 26th and 29th over the southern part.

No reports of damage by hail, lightning or wind were received.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 74.2°, which was 2.4° above normal. The highest temperature was 101° at Elizabeth on the 4th, and the lowest, 44° at three stations on the 1st. The greatest daily range of temperature was 48° at Charlotteburg on the 9th. The highest monthly mean temperature was 76.1° at Flemington, and the lowest, 71.2° at Canoe Brook.

The temperature departure from the normal for the year, 1936, to date, by sections, is: The Highlands, +0.7°; Red Sandstone Plain, +0.3°; Southern Interior, —0.1°; Sea Coast, +0.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 4.14 inches, which was 0.61 inch below normal. The greatest monthly precipitation was 6.97 inches, at Belvidere, and the least, 2.66 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 3.82 inches at Belvidere on the 24th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +4.50 inches; Red Sandstone Plain, +2.17 inches; Southern Interior, —0.47 inch; Sea Coast, —3.78 inches

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 6, 7, 8, 10, 16, 19, 23, 27, 28.
HAIL: 24.
THUNDERSTORMS: 4, 5, 6, 7, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City......	30.02	30.36	1	29.76	29	14.2	37	w.	25	80	72	79	64
Long Branch......	30.01	30.35	1	29.70	29	9.4	36	nw.	24	84	63	74	60
Ridgefield.........	30.00	30.22	1	29.72	29	.....	.....	.....	.....	.....	.....	.....	.....
Sandy Hook.......	30.01	30.33	1	29.74	29	11.7	40	n.	23	82	66	79	74
Trenton...........	30.01	30.35	1	29.73	29	8.4	29	nw.	25	79	55	67	70

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	......	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5.32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	**76.3**	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	**1.34**	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	**108**	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71 2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	**67.1**	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	9
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	**10.53**	0	14	12	9	10
1934	69.8	100	**33**	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
Period	71.8	108	33	4.75	0	10	13	11	7

Climatological Data for August, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	75.0	+4.2	99	2†	50	1	41	6.97	+2.40	3.82	0	8	19	3	9	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	72.4	+4.9	96	14	44	1†	48	3.50	−1.00	1.87	0	12	26	0	5	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	......	......	....	5.45	+0.80	1.65	0	10	13	12	6	n.	Brice E. Riker.
Dover	Morris	600	52	71.8	+2.7	93	3	49	28	36	4.24	−0.26	1.69	0	13	3	11	17	......	William C. Harris
Layton	Sussex	480	35	71.7	+3.5	96	3	44	18	44	4.34	+0.25	1.56	0	13	8	10	13	sw.	A. M. Depue.
Newton	Sussex	769	53	73.0	+2.7	97	3	49	18†	37	4.14	−0.21	1.61	0	12	9	10	12	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	73.3	+1.6	96	3	51	1†	38	5.15	+0.75	1.12	0	12	19	8	4	......	Town Engineer.
Sussex	Sussex	442	41	74.8^{f}	+5.2	99	3	46	1	47	4.06	+0.06	1.80	0	8	12	10	9	......	A. J. W. Mowatt
Means and extremes	......	......	....	73.1	+3.5	99	2†	44	1†	48	4.73	+0.35	3.82	0	11	14	8	9	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	72.2	+2.1	94	3	48	28	37	3.99	−0.70	1.65	......	13	15	5	11	ne.	John Kline.
Canoe Brook	Essex	173	6	71.2	......	96	3†	44	1	42	6.52	......	3.07	......	12	13	13	5	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	5.28	+0.63	3.01	......	12	15	9	7	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	75.4	+2.2	101	4	54	1†	39	4.95	+0.62	1.46	0	13	17	6	8	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§50	76.1	+3.8	100	3	52	9	40	4.09	−0.43	1.97	0	10	24	3	4	sw.	Hiram E. Deats
Jersey City	Hudson	10	38	75.2	+1.6	96	3†	58	31	30	3.95	−0.38	1.71	0	12	10	10	11	sw.	S. K. Pearson.
Lambertville	Hunterdon	430	49	74.2	+2.2	97	23	54	28	31	3.86	−0.94	0.97	0	10	12	14	5	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	74.4	+3.2	97	3†	52	1†	40	5.25	+0.29	2.08	0	11	13	9	9	w.	Passaic Valley Water Co
Newark	Essex	10	....	74.2	+1.5	96	3	56	31	32	3.52	−1.35	1.48	0	14	6	12	13	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	74.4	+2.4	97	3	53	1	34	3.69	−1.71	0.92	0	10	19	8	4	se.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	3.27	−1.28	1.34	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	74.8	+2.6	97	3	56	28	30	4.37	−0.26	2.14	0	10	16	7	8	sw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	74.6	+3.2	99	4	52	28	37	4.51	−0.59	1.23	0	15	11	12	8	sw.	S. K. Pearson.
Ridgefield	Bergen	80	19	74.1	+3.4	97	3	54	28	33	3.53	−1.38	1.26	0	10	13	15	3	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	73.8	+1.6	96	4	53	28	32	4.49	−0.43	1.48	0	12	15	8	8	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	4.05	−0.17	1.39	......	10	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	74.1	+1.0	93	4	58	31	27	3.68	−0.65	1.59	0	15	10	11	10	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.2	+2.5	101	4	44	1	42	4.33	−0.54	3.07	0	12	14	9	8	sw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	75.1	+3.0	94	23†	51	10	34	2.66	−1.94	1.40	0	5	19	7	5	s	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	75.2	+0.6	97	23	54	31	33	4.62	−0.05	1.75	0	8	20	9	2	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	76.0	+1.6	98	23	53	1	34	3.13	−2.65	0.79	0	12	18	8	5	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	76.0	......	97	4	56	1	30	3.54	......	1.09	0	10	7	16	8	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	74.6	......	96	4†	52	9	35	4.04	−0.55	1.37	0	9	21	4	6	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	75.9	......	98	23	52	1	35	2.94	−1.94	0.73	0	10	11	13	7	sw.	J. G. Wilson.
Hightstown	Mercer	110	43	74.2	+2.3	97	23	52	1	37	3.22	−1.80	1.07	0	11	12	12	7	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	74.7	+2.3	98	23	51	1†	36	3.53	−2.00	1.14	0	10	10	15	6	ne.	James M. Armstrong.
Lakewood	Ocean	54	32	73.6^{a}	+2.7	96	4	51	30	32	6.39	+1.20	1.62	0	11	17	8	6	sw.	R. W. Holman.
Maple Shade	Burlington	65	1	75.4	......	96	23	55	1	32	3.82	......	1.31	0	11	10	10	11	sw.	Richard J. Smith.
Moorestown	Burlington	62	73	74.2	+1.7	94	4†	54	1	32	3.71	−1.66	1.14	0	12	12	8	11	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	3.42	−1.10	1.10	0	8	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	75.7	......	98	23	52	1	37	3.79	......	1.51	0	10	15	9	7	e.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	73.8	......	95	23†	51	10	32	6.22	+1.56	3.16	......	9	21	5	5	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	73.0	......	96	4	46	1†	41	3.48	−1.84	1.01	......	7	20	10	1	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	74.4	+1.4	95	23	57	28	30	4.11	−0.64	0.99	0	11	8	12	11	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	4.18	......	1.12	0	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	75.0	+2.6	98	23	55	1†	32	2.99	−2.31	1.08	0	8	20	6	6	nw.	John H. Brown.
Philadelphia, Pa	......	26	65	76.0	+1.2	95	25	58	31	25	3.30	−1.32	1.18	0	11	8	13	10	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.3	+2.0	98	23	46	1†	41	3.87	−1.12	3.16	0	9	15	9	7	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	74.2	+1.7	93	24	60	31	21	3.01	−1.48	1.49	0	10	6	14	11	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	73.8	+3.0	96	4	54	31	26	3.15	−2.33	1.03	0	8	8	10	13	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	74.3	+1.8	93	3	61	31	23	2.98	−2.00	0.90	0	12	12	10	9	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.1	+2.2	96	4	54	31	26	3.05	−1.94	1.49	0	10	9	11	11	s.	
For the State	......	......	....	74.2	+2.4	101	4	44	1†	48	4.14	−0.61	3.82	0	10	14	9	8	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-10-2-36-900

Daily Precipitation for August, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	....	....	....	.75	T.	.13	....	....	....	....	.80	....	....	.12	....	....	....	....	....	.30	....	....	....	3.82	....	.11	....	....	.94	....	T.	6.97
Charlotteburg	Passaic	....	....	....	.15	....	.16	....	....	....	....	.12	....	....	....	....	.10	....	....	....	....	.03	.11	.21	1.87	....	.06	....	....	.41	.20	.08	3.50
Culvers Lake	Delaware	....	....	....	....	T.	.40	....	....	....	1.09	....	....	.05	....	.06	....	....	....	.10	....	.07	...	1.42	1.65	....	....	....	....	.55	.06	T.	5.45
Dover	Passaic	....	....	....	....	....	.20	....	....	.18	....	....	....	....	.12	.35	....	.04	....	.10	....	....	1.10	*	1.69	.06	....	.01	.04	.35	....	....	4.24
Layton	Delaware	....	....	....	.30	.01	.20	....	....	....	....	.67	....	.06	....	.04	.31	....	....	....	....	.05	.03	.45	1.56	....	....	.15	....	.51	....	....	4.34
Newton	Delaware	....	....	....	.12	T.	.19	T.	....	....	....	.57	....	....	....	T.	.03	....	....	....	.12	T.	.12	.61	1.61	....	.13	.01	....	.50	.13	....	4.14
Phillipsburg	....do	....	....	....	T.	T.	.17	T.	....	....	.63	.05	....	.35	.30	.65	.11	....	....	T.	T.	.95	T.	T.	1.12	T.	T.	T.	.09	.70	.03	....	5.15
Sussex	Hudson	....	....	....	....	.06	.39	....	....	....	....	.62	....	....	....	.17	.10	....	....	....	....	....	....	T.	1.80	....	....	....	....	.44	.48	....	4.06
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	....	....	....	....	....	.35	.02	T.	....	....	.32	....	....	....	.01	.50	....	.06	....	....	....	.04	.34	1.65	....	.02	.01	....	.31	.36	....	3.99
Canoe Brook‖‖	....do	....	....	....	....	T.	.50	.02	....	....	....	.16	....	....	1.72	....	.65	....	T.	....	....	T.	.03	.07	3.07	....	.11	.01	....	.15	.03	....	6.52
Chatham‖‖	....do	....	....	....	....	....	.37	.03	....	....	....	.02	....	....	1.05	....	.48	....	....	....	....	....	.04	.01	3.01	...	.06	.03	....	.13	.05	....	5.28
Elizabeth	Coast	....	....	....	.51	.02	1.34	.05	....	....	....	T.	....	.02	.18	....	.16	.43	....	....	....	....	.01	.03	1.41	....	.56	T.	....	.18	....	....	4.95
Flemington	Raritan	....	....	....	....	T.	.11	.04	....	....	....	.05	....	T.	.19	T.	.55	T.	....	....	T.	....	.03	....	.75	....	1.97	.03	T.	.37	T.	....	4.09
Jersey City	Coast	....	....	....	.11	.01	1.25	....	....	....	.01	....	....	.21	.01	.14	T.	.03	....	....	....	T.	.06	....	1.71	....	.16	T.	T.	.25	....	....	3.95
Lambertville	Delaware	....	....	....	T.	.09	.18	.10	....	....	....	T.	....	....	T.	....	.61	.12	....	....	....	....	.15	....	....	.97	.90	.20	....	.54	....	T.	3.86
Little Falls‖‖	Passaic	....	....	....	....	....	.73	.03	....	....	....	.20	....	....	....	....	.42	....	.22	....	....	....	.03	.28	2.08	....	.05	....	....	.23	.98	....	5.25
Newark***	Coast	....	....	....	.06	.02	1.25	....	....	....	T.	....	....	.20	T.	.13	.02	.01	....	....	....	T.	.05	1.25	.23	.12	.05	T.	.01	.12	....	....	3.52
New Brunswick	Raritan	....	....	....	....	.01	.80	.22	....	....	....	.15	....	....	.04	....	.32	....	....	....	....	....	....	.01	.92	....	.82	....	T.	.40	T.	....	3.69
New Milford**	Hackensack	....	....	....	....	....	.47	....	....	....	.01	....	....	....	....	.18	....	....	....	....	....	.03	.20	.52	.48	.01	....	....	.03	1.34	....	....	3.27
Paterson	Passaic	....	....	....	....	....	.63	....	....	....	....	.07	....	....	....	....	.25	.06	....	....	....	T.	.03	.20	2.14	....	.05	T.	....	.25	.69	....	4.37
Plainfield	Raritan	....	....	....	.33	T.	1.23	.03	....	....	....	.01	....	.82	.05	.31	.21	....	....	....	....	T.	.01	T.	.59	.01	.62	.03	.03	.23	T.	T.	4.51
Ridgefield**	Hackensack	....	....	....	T	....	.90	....	....	....	T.	....	....	....	....	.04	.64	.09	....	....	....	.02	.18	1.26	.01	....	.15	....	*	.24	...	....	3.53
Somerville	Raritan	....	....	....	T.	....	.28	.61	....	....	....	.06	....	.02	.72	....	.43	....	....	....	....	.03	....	....	1.48	....	.56	.05	....	.23	....	.02	4.49
Woodcliff Lake**	Hackensack	....	....	....	.16	....	.74	....	....	....	.21	..	....	.12	....	.13	....	....	....	....	....	.04	.15	1.39	.38	....	....	....	....	.73	....	....	4.05
New York, N. Y***	Coast	....	....	....	.10	.01	1.11	....	....	....	.01	....	....	.22	....	.13	T.	.04	....	....	....	.01	.05	1.00	.59	.12	.04	T.	.02	.23	....	....	3.68
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	.18	....	T.	....	....	....	....	....	....	....	....	.10	T.	....	....	....	....	1.40	....	....	....	.45	....	....	.53	....	....	2.66
Bridgeton	Delaware	....	....	....	.65	....	.13	....	....	....	....	....	....	....	....	....	.14	....	....	....	....	.66	.18	....	....	.28	....	....	.83	1.75	....	....	4.62
Burlington	Delaware	....	....	....	....	....	.15	.40	....	....	....	....	....	....	....	.05	.22	.04	....	....	....	....	.10	....	.62	....	.51	.08	....	.79	.13	.04	3.13
Camden**	..do	....	....	....	T.	....	1.09	.20	....	....	....	....	....	....	....	.02	.27	....	....	....	....	.20	T.	....	.41	.32	....	.05	.03	.95	....	T.	3.54
Freehold	Raritan	....	....	....	....	T.	.18	.53	....	....	....	.02	....	....	....	....	.33	.35	....	....	....	....	....	....	.35	....	.83	....	....	1.37	.08	....	4.04
Hammonton	Mullica	....	....	....	....	.08	.33	.12	....	....	....	....	....	....	.01	....	.20	T.	....	....	....	T.	.34	.03	....	....	.52	T.	....	.73	.58	T.	2.94
Hightstown	Raritan	....	....	....	....	.02	.47	.14	....	....	....	....	....	....	....	....	.38	.02	....	....	....	T.	.03	....	.57	....	.50	.02	....	1.05	.02	T.	3.22
Indian Mills	Mullica	....	....	....	....	.06	.12	.54	....	....	....	....	....	....	.84	....	.20	....	....	....	....	.02	.12	....	....	....	.48	....	T.	1.14	....	.01	3.53
Lakewood	Metedeconk	....	...	...	....	.15	.12	1.01	....	....	....	.02	....	....	1.02	.02	.05	....	....	....	T.	...	T.	....	.68	....	1.62	....	....	1.45	.25	....	6.39
Maple Shade	Delaware	....	....	....	.03	.01	1.31	T.	T.	T.	T.	T.	....	T.	T.	.26	T.	....	T.	....	....	.07	T.	.51	T.	.46	.07	T.	.82	.13	....	.15	3.82
Moorestown‖‖	....do	....	....	....	.01	.01	1.14	.01	....	....	....	....	....	....	....	.25	....	....	....	....	....	.04	....	.68	....	.56	.11	....	.73	....	.13	.04	3.71
Northfield	Coast	....	....	....	....	.01	....	.08	....	....	....	....	....	....	....	....	.03	.03	....	....	....	....	1.10	T.	....	....	.77	T.	....	.70	.70	....	3.42
Pemberton	Delaware	....	....	....	....	....	T.	1.51	.07	....	....	.01	....	....	....	T.	.15	....	....	....	.02	T.	.03	....	.38	....	1.03	T.	....	.43	.16	T.	3.79
Pleasantville‖‖	Coast	....	....	....	....	.11	.04	.10	....	....	....	....	....	....	....	....	T.	.05	....	....	....	....	....	3.16	....	....	1.03	.05	T.	.01	1.67	....	6.22
Runyon	Coast	....	....	....	....	....	.40	.32	....	....	....	....	....	....	....	....	.36	....	....	....	....	....	....	....	1.01	....	.80	.05	....	.54	....	....	3.48
Trenton***	Delaware	....	....	....	T	.08	.44	T.	....	....	....	T	....	....	.04	.59	.46	....	....	....	....	.01	T.	T.	.75	.72	T.	.03	.04	.95	....	T.	4.11
Trenton No. 2**	....do	....	....	....	....	.03	.53	..	....	....	....	....	....	....	.11	.43	.60	....	....	....	....	T.	T.	....	.71	.58	....	.05	.02	1.12	....	....	4.18
Tuckerton	Coast	....	....	....	.04	.07	....	.11	....	....	....	....	....	....	....	....	.08	....	....	....	....	....	1.08	...	....	....	.72	....	....	.09	.80	....	2.99
Phila., Pa***	Delaware	....	....	....	.11	....	.95	.23	....	....	....	....	....	....	....	.03	.22	....	....	....	...	.32	T.	....	.22	.30	....	.07	.02	.83	....	T	3.30
The Sea Coast.																																	
Atlantic City***	Coast	....	....	....	....	.02	.05	.02	....	....	....	....	....	....	....	T.	.03	T.	....	....	....	....	1.02	....	....	.34	.02	.02	....	1.39	.10	....	3.01
Long Branch**	....do	....	....	....	....	T.	.79	....	....	....	....	....	....	.07	....	.02	.04	T.	....	....	....	T.	T.	.05	.30	1.03	T.	T.	T.	.85	....	....	3.15
Sandy Hook***	....do	....	....	....	.12	T.	.37	T.	....	....	....	....	....	.30	....	.11	.05	T.	....	....	T.	T.	.01	.29	.44	.90	T.	.01	.01	.37	....	....	2.98

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	.144	.192	.216	.208	.128	.068	.036	.144	.168	.184	.144	.128	.160	.216	.112	.154	.128	.176	.136	.112	.160	.022	.190	....	.216	.174	.074	.048	.086	.054	.192	4.170
	Wind movement	6	11	9	11	7	13	6	10	11	12	18	5	7	17	9	21	17	11	15	15	6	17	16	11	15	6	3	1	14	18	27	365
Pleasantville**	Evaporation	.224	.304	.304	.174	.200	.244	.160	.128	.352	.192	.160	.256	.288	.224	.256	.146	.320	.240	.160	.192	.192	.120	.288	.272	.070	.178	.192	.170	.070	.288	.192	6.556
	Wind movement	34	47	27	100	82	40	45	29	72	53	25	51	80	77	118	65	71	52	74	44	70	26	35	35	64	15	66	79	74	53	57	1760
Runyon	Evaporation	.150	.150	.210	.210	.210	...	....	....	....	....	....	....	....	....	....	....	....	....	....	.210	.180	.180	.160	.310	.240	.060	.050	.120	.060	2.40	.240	5.434
	Wind movement	18	18	21	22	18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	81	44	43	41	48	42	23	17	26	75	80	80	697

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for August, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	91	99	99	94	85	79	86	88	87	91	86	90	95	92	91	91	90	86	87	95	83	94	98	91	95	78	75	80	80	77	74	87.8
	Minimum	50	64	69	74	65	61	58	57	52	54	65	63	64	66	70	61	67	51	65	69	67	68	69	69	62	61	60	53	62	59	54	62.2
Charlotteburg	Maximum	89	94	95	95	90	84	83	84	92	88	85	86	93	96	94	92	84	87	84	94	84	79	87	89	89	80	78	77	78	80	74	86.6
	Minimum	44	52	64	65	70	59	54	50	44	47	59	57	58	60	67	68	66	46	59	63	65	66	63	66	56	57	57	45	59	60	54	58.1
Dover	Maximum	87	91	93	92	78	70	79	82	80	85	80	85	90	87	87	88	84	80	81	90	79	83	87	84	87	74	67	75	76	73	69	82.0
	Minimum	51	56	64	75	67	59	56	53	50	52	66	62	65	67	70	70	66	52	63	69	67	67	64	69	60	61	60	49	61	61	55	61.5
Layton	Maximum	90	92	96	95	79	74	87	88	87	87	82	87	89	92	86	91	84	85	84	91	75	91	93	84	88	78	74	77	78	75	71	84.8
	Minimum	46	49	58	70	60	60	60	50	50	50	58	60	62	62	67	67	65	44	63	64	60	68	63	68	58	60	58	52	54	57	54	58.6
Newton	Maximum	90	93	97	91	84	76	85	89	88	89	84	88	92	93	92	94	85	86	83	92	79	92	92	87	89	79	79	82	76	76	69	86.2
	Minimum	53	57	60	72	63	57	56	56	52	54	58	60	65	65	68	65	65	49	60	67	60	67	69	66	62	55	56	49	58	58	53	59.8
Phillipsburg	Maximum	89	92	96	92	82	68	83	85	86	86	82	87	93	90	89	90	86	84	80	91	79	88	92	85	93	81	71	75	79	74	74	84.6
	Minimum	51	55	60	72	67	61	59	55	51	55	62	64	64	65	70	68	64	54	69	71	68	69	64	64	62	65	62	54	62	61	55	62.0
Sussex	Maximum	93	96	99	98	90	79	81	92	93	92	90	....	....	96	91	94	90	90	87	....	....	95	95	87	89	....	....	82	78	75	75	89.1[f]
	Minimum	46	55	64	75	65	59	58	56	53	55	60	....	....	60	69	69	69	52	64	....	....	63	66	68	61	....	....	51	60	60	56	60.6[f]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	87	92	94	92	83	69	83	86	84	85	85	89	91	90	88	88	87	82	83	92	75	84	89	87	90	77	73	78	74	75	72	84.1
	Minimum	50	57	59	64	68	62	55	53	51	51	56	60	61	63	67	69	68	56	61	68	68	68	65	65	63	62	60	48	53	62	58	60.4
Canoe Brook§§	Maximum	83	92	96	96	82	68	82	83	81	86	83	89	94	93	89	91	87	80	85	92	76	83	90	88	90	76	72	78	80	77	73	84.4
	Minimum	44	50	56	73	63	61	52	54	50	48	56	58	57	61	68	67	64	48	57	67	67	67	63	65	57	60	58	49	56	62	52	58.1
Elizabeth	Maximum	92	97	100	101	87	77	83	86	85	90	86	88	97	92	92	94	90	81	88	97	82	84	90	91	94	82	72	79	81	80	75	87.5
	Minimum	54	58	63	73	68	61	58	57	57	56	62	64	62	67	72	70	69	60	61	70	70	71	66	69	63	61	63	54	63	65	54	63.3
Flemington	Maximum	93	94	100	97	93	77	85	87	88	90	87	93	94	97	95	92	89	87	84	95	87	90	98	93	94	85	76	80	81	80	73	88.8
	Minimum	53	57	65	75	69	62	61	54	52	53	62	64	63	66	71	70	69	55	64	71	72	69	64	69	63	64	62	54	62	63	57	63.4
Jersey City	Maximum	86	92	96	96	85	71	81	85	80	83	83	87	90	92	89	90	89	79	87	91	76	80	88	90	92	77	77	76	82	76	75	84.5
	Minimum	64	64	66	74	68	61	60	65	64	63	65	70	68	70	70	72	68	64	67	71	68	65	65	68	70	63	65	59	64	64	58	65.9
Lambertville	Maximum	90	89	96	96	81	70	79	83	83	87	85	92	95	95	91	90	87	86	89	88	90	92	97	90	92	78	68	70	82	74	72	85.7
	Minimum	59	60	65	74	64	60	59	56	58	60	62	63	65	69	69	68	66	60	62	57	67	67	70	70	62	60	60	54	60	61	55	62.6
Little Falls§§	Maximum	92	94	97	97	84	71	85	86	85	87	84	92	95	93	90	92	89	83	86	92	84	85	91	90	92	80	78	81	82	78	74	86.7
	Minimum	52	59	62	76	67	62	55	56	52	53	61	62	63	65	71	70	70	54	62	70	67	68	64	66	61	61	61	52	61	64	56	62.0
Newark	Maximum	87	92	96	96	81	69	79	82	80	84	83	86	91	89	89	91	89	79	86	89	76	82	87	89	91	76	79	79	80	77	72	84.1
	Minimum	58	60	65	76	69	64	60	59	60	58	64	65	65	69	72	71	68	59	64	71	70	66	66	67	66	61	60	57	64	64	56	64.3
New Brunswick	Maximum	87	92	97	95	85	74	78	80	80	84	82	86	90	93	91	93	88	83	86	92	85	88	92	89	91	86	75	77	81	79	73	85.5
	Minimum	53	58	64	74	66	61	59	56	57	55	63	65	63	68	72	70	70	57	62	72	70	70	67	70	63	62	62	54	62	65	56	63.4
Paterson	Maximum	88	93	97	96	81	75	82	83	83	87	83	89	94	92	89	91	89	82	87	90	80	80	86	87	91	83	75	80	80	78	72	85.3
	Minimum	58	65	67	77	69	61	58	58	59	57	63	64	66	68	72	63	69	58	64	73	68	69	64	70	69	61	62	56	62	64	57	64.2
Plainfield	Maximum	90	94	98	99	82	72	82	84	82	86	84	87	94	92	90	92	90	81	87	92	79	90	91	92	93	75	70	85	80	80	76	85.9
	Minimum	53	58	63	74	69	66	57	56	57	57	62	64	63	68	72	70	69	58	63	70	70	70	67	69	63	62	61	52	62	64	54	63.3
Ridgefield	Maximum	89	93	97	94	82	68	82	84	82	85	81	87	91	91	87	92	88	80	87	90	77	77	87	87	89	78	75	75	80	78	73	84.1
	Minimum	56	61	67	76	69	60	56	59	57	58	63	65	68	71	73	71	64	57	64	71	69	67	65	70	66	61	62	54	63	64	57	64.1
Somerville	Maximum	88	92	95	96	85	70	82	82	82	87	84	87	93	92	90	90	87	81	83	92	80	91	92	87	90	77	68	77	79	77	74	84.8
	Minimum	56	60	64	73	65	60	55	56	57	57	62	64	65	68	70	69	69	55	63	71	69	69	65	68	64	60	60	53	61	61	54	62.7
New York, N. Y	Maximum	84	91	92	93	81	69	79	82	78	81	81	84	88	89	86	88	86	77	84	89	74	78	85	86	90	75	74	74	79	74	72	82.0
	Minimum	65	64	67	75	69	61	60	65	64	63	65	70	69	70	70	73	68	64	67	72	68	65	65	69	70	63	65	59	64	64	58	66.2
The Southern Interior.																																	
Belleplain	Maximum	83	86	92	93	91	89	83	79	79	85	82	86	90	92	91	92	90	88	87	93	87	83	94	90	94	90	77	79	85	82	76	86.7
	Minimum	52	53	62	73	66	69	61	54	55	51	59	61	61	71	71	74	73	55	55	72	68	71	74	78	62	67	60	55	67	52	65	63.5
Bridgeton	Maximum	83	87	92	93	84	84	78	83	83	83	80	87	89	92	91	90	91	84	91	95	86	84	97	96	95	78	78	77	83	78	76	86.1
	Minimum	56	63	64	65	68	61	58	60	60	64	65	66	71	73	74	72	58	58	72	69	68	68	70	66	67	62	59	64	64	57	54	64.4
Burlington	Maximum	87	90	95	97	90	83	78	84	87	88	82	89	92	94	92	92	95	82	87	95	85	89	98	93	96	87	75	80	82	84	79	88.0
	Minimum	53	56	64	72	66	64	60	55	59	55	62	66	63	68	70	73	70	58	61	72	72	71	70	69	64	66	62	54	63	67	59	64.0
Camden	Maximum	86	89	94	97	82	73	77	84	83	87	82	87	92	94	93	91	92	85	86	91	86	87	94	90	96	72	75	82	81	79	75	85.9
	Minimum	56	60	65	75	69	63	62	58	61	59	66	70	67	70	73	74	70	60	66	75	71	73	72	72	70	65	64	58	65	65	58	66.2
Freehold	Maximum	87	91	95	96	88	76	78	82	82	86	82	88	92	95	91	91	89	83	87	92	85	91	96	89	92	89	75	78	80	79	74	86.4
	Minimum	54	60	60	71	69	62	59	53	52	55	61	63	61	68	71	70	70	57	60	72	71	70	68	65	65	64	61	53	61	66	56	62.8
Hammonton	Maximum	87	89	93	97	89	86	77	83	85	88	83	88	94	95	92	91	91	85	88	96	86	85	98	93	97	86	79	80	82	79	77	87.7
	Minimum	52	57	63	74	67	69	61	54	58	54	61	63	66	70	72	72	72	55	61	72	70	71	68	69	65	68	61	55	66	67	55	64.1
Hightstown	Maximum	89	90	94	95	82	72	77	80	80	86	81	88	92	95	91	91	88	84	86	95	82	91	97	89	93	80	71	79	83	77	74	85.5
	Minimum	52	58	62	73	67	62	57	53	55	54	62	63	64	68	71	70	69	56	61	72	69	70	68	69	65	63	62	53	61	65	55	62.9
Indian Mills	Maximum	86	79	93	96	83	78	76	81	83	87	81	89	92	92	92	91	91	84	87	93	84	84	98	90	97	84	79	80	80	80	75	86 0
	Minimum	51	54	58	72	68	68	61	54	56	54	74	61	62	68	71	74	71	56	60	71	70	70	70	68	61	67	60	54	64	66	51	63.4
Lakewood	Maximum	84	89	93	96	88	76	74	79	79	83	78	83	90	92	89	89	88	83	87	87	80	90	89	88	91	82	74	75	81	77	....	84.5[a]
	Minimum	52	59	63	73	67	64	59	55	56	52	62	64	62	69	70	73	72	57	58	64	71	71	69	64	64	64	62	53	63	51	....	62.8[a]
Maple Shade	Maximum	87	88	94	95	82	76	76	82	84	87	81	87	92	94	90	91	90	85	85	94	87	88	96	92	95	78	75	79	81	77	74	85.8
	Minimum	55	59	64	73	68	68	61	57	59	58	63	65	64	68	71	73	72	56	62	72	71	71	71	70	68	66	62	56	63	65	59	64.8
Moorestown	Maximum	86	87	93	94	82	75	76	81	82	85	81	88	92	92	90	89	89	83	85	92	85	87	94	89	94	72	75	77	81	76	73	84.7
	Minimum	54	60	62	73	67	62	60	56	58	57	64	65	65	68	72	72	63	56	61	73	72	71	71	70	67	63	62	56	56	64	58	63.8
Pemberton	Maximum	86	92	93	95	94	80	78	82	82	87	83	88	90	94	92	90	90	87	87	93	89	89	98	90	94	92	72	78	83	78	75	87.1
	Minimum	52	55	61	73	69	67	60	57	60	56	64	65	63	66	73	75	73	59	62	72	72	70	70	68	63	66	62	55	64	66	55	64.4
Pleasantville§§	Maximum	81	88	85	89	80	89	75	77	77	80	80	83	87	89	86	86	91	79	82	91	83	78	95	91	95	77	76	77	80	79	75	83.3
	Minimum	53	56	59	71	67	69	62	55	60	51	61	65	64	71	73	75	76	59	60	72	70	71	67	68	64	67	61	56	66	67	53	64.2
Runyon	Maximum	84	91	93	96	87	76	79	81	82	84	87	88	92	94	93	93	91	86	87	92	89	89	91	91	94	88	75	72	80	80	75	86.5
	Minimum	46	52	68	65	68	68	52	50	46	46	47	47	58	58	60	72	73	61	61	56	70	69	67	68	60	68	68	48	63	64	46	59.5
Trenton	Maximum	86	89	94	95	79	68	76	81	81	84	81	85	90	90	90	90	88	83	85	94	82	88	95	90	93	72	72	77	80	76	72	84.1
	Minimum	59	62	64	74	66	61	60	59	59	59	65	67	66	70	68	69	65	60	65	73	70	69	68	69	68	64	62	57	64	64	57	64.6
Tuckerton	Maximum	80	90	87	91	85	85	76	77	80	78	78	80	85	90	88	89	93	85	85	91	89	85	98	94	94	84	80	77	78	78	77	84.7
	Minimum	55	58	60	70	60	62	60	55	55	60	55	60	65	70	70	72	75	70	72	76	72	74	75	76	71	68	65	60	65	65	55	65.4
Philadelphia, Pa	Maximum	85	86	92	93	83	75	76	82	83	85	81	87	90	92	88	88	90	83	84	93	84	85	93	91	95	72	76	78	79	77	74	84.5
	Minimum	64	67	67	76	68	62	62	64	65	63	68	70	69	73	73	74	69	63	67	74	72	72	70	72	70	66	65	63	64	65	58	67.6
The Sea Coast.																																	
Atlantic City	Maximum	78	85	79	83	80	83	72	75	75	78	77	79	81	82	80	79	83	76	78	84	81	80	87	93	90	75	75	77	78	79	75	79.9
	Minimum	61	67	69	71	69	68	64	63	65	64	68	70	72	74	75	73	70	63	70	71	71	70	72	72	69	68	69	65	69	67	60	68.4
Long Branch	Maximum	83	90	95	96	75	73	73	76	74	80	77	81	90	88	87	91	90	73	88	90	77	87	82	90	93	74	72	75	82	78	73	82.4
	Minimum	57	64	70	72	69	61	60	59	58	56	63	67	67	70	72	74	71	65	63	73	71	69	69	71	70	62	59	56	66	64	54	65.2
Sandy Hook	Maximum	83	89	93	91	75	69	73	76	73	79	78	81	87	84	87	87	87	73	85	88	77	81	78	88	90	73	74	75	80	77	73	80.8
	Minimum	64	66	70	72	68	62	62	65	64	63	68	70	69	72	73	76	72	65	68	73	71	68	68	71	70	65	68	64	67	66	61	67.8

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XLI. SEPTEMBER, 1936. No. 9.

NOTE.—The price of this publication is 50 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The most pronounced single feature of the weather during the month was probably the tropical storm of the 18-19th. The path of its center apparently paralled the New Jersey coast line about one hundred miles out to sea. The heaviest rains naturally occurred nearest the coast becoming progressively less heavy inland and dwindling to light to moderate rains in the extreme northwest portion. At the coast stations the amounts for the storm period were generally between four and five inches, and for most of the State were between two and four inches, decreasing to less than an inch in the extreme northwest section. During the first seventeen days there were only light showers on from three to four days. After the 19th there were several days with moderate rains. The monthly amounts, in percentages of the normal, for various subdivisions were as follows: The Highlands, 57%; Red Sandstone Plain, 92%; Southern Interior, 171%; Sea Coast, 191%; State, 121%.

The temperature averaged slightly above the normal, with only two marked periods of departure, a warm spell from the 8th to 13th, inclusive, and a cool period during the last two days of the month. The highest temperatures were generally close to the 90-degree mark and occurred on the 8th, 9th and 12th, while the lowest occurred mostly on the 26th and were in the high 30's and low 40's in the southern half of the State, and about the freezing point in the more northern sections. Apparently there were no killing frosts.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 66.9°, which was 1.0° above normal. The highest temperature was 94° at Flemington on the 12th, and the lowest, 28° at Charlotteburg on the 26th. The greatest daily range of temperature was 39° at Charlotteburg on the 26th. The highest monthly mean temperature was 69.6° at Burlington, and the lowest, 66.3° at Dover.

The temperature departure from the normal for the year 1936, to date, by sections, is: The Highlands, +0.8°; Red Sandstone Plain, +0.4°; Southern Interior, 0.0°; Sea Coast, +0.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 4.30 inches, which was 0.74 inch above normal. The greatest monthly precipitation was 6.90 inches, at Lakewood, and the least, 1.25 inches at Belvidere. The greatest amount of precipitation in any 24 consecutive hours was 4.90 inches at Lakewood on the 18-19th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +2.84 inches; Red Sandstone Plain, +1.87 inches; Southern Interior, +1.95 inches; Sea Coast,—0.97 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 9, 10, 11, 12, 21, 22, 23, 24.
HAIL: 21, 22, 23, 24, 26.
LIGHT FROST: 26.
THUNDERSTORMS: 2, 3, 8, 12, 13.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.09	30.42	26	29.38	18	15.9	73	ne.	18	82	73	82	60
Long Branch	30.09	30.45	26	29.50	18	10.6	60	ne.	18	80	61	74	60
Ridgefield	30.09	30.45	26	29.60	18	.....	....	......	....	....	....	....	....
Sandy Hook	30.09	30.46	26	29.55	18	13.6	60	n.	18	80	69	80	63
Trenton	30.09	30.44	26	29.65	18	9.1	33	n.	18	80	62	74	62

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	......	......	......	......
1886	66.9	95	36	1.13	0	......	......	......	......
1887	61.6	90	30	3.66	0	7	......	......	......
1888	63.1	84	29	7.09	0	12	......	......	......
1889	64.8	90	34	8.36	0	14	......	......	......
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	**109**	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	**23**	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	**0.37**	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	**61.5**	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	**70.5**	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	**9.00**	0	13	10	7	13
1935	63.2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
Period	65.9	109	23	3.56	0	8	15	8	7

Climatological Data for September, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, '01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	67.2	+2.2	92	9	35	26	37	1.25	−2.49	0.55	0	5	15	4	11	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	64.7	+2.6	92	9	28	26	39	2.82	−1.33	1.38	0	9	18	0	12	se.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	......	......	....	2.15	−1.87	0.49	0	8	13	14	3	s.	Brice E. Riker.
Dover	Morris	600	52	63.3	+0.9	86	8	33	26	29	3.37	−0.71	1.20	0	9	4	13	13	.....	William C. Harris
Layton	Sussex	480	35	63.6	+1.0	89	8	32	20	35	1.86	−2.00	0.55	0	8	12	5	13	sw.	A. M. Depue.
Newton	Sussex	769	53	64.6	+0.8	89	9	33	26	35	1.28	−2.48	0.30	0	10	8	9	13	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	65.7	+0.4	89	8	36	26	32	1.28	−2.21	0.54	0	10	13	8	9	......	Town Engineer.
Sussex	Sussex	442	41	66.8	+2.6	91	8	35	26	39	3.38	−0.19	1.26	0	12	16	5	9	......	A. J. W. Mowatt
Means and extremes	......	......	....	65.1	+1.5	92	9	28	26	39	2.17	−1.66	1.38	0	9	12	7	11	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	64.7	+1.2	89	9	35	26	35	2.86	−0.99	1.55	......	8	12	2	16	ne.	John Kline.
Canoe Brook	Essex	173	6	64.4	......	91	8	32	26	37	2.67	......	1.85	......	11	13	11	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	2.58	−1.64	1.73	......	10	6	13	11	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	68.0	+1.1	92	8†	43	26	31	4.00	+0.39	1.68	0	10	14	3	13	e.	Union County Park Comm.
Flemington	Hunterdon	140	§50	68.8	+2.3	94	12	37	26	33	2.00	−1.64	0.86	0	9	16	7	7	sw.	Hiram E. Deats
Jersey City	Hudson	10	38	67.7	+0.2	90	9	49	26	23	4.92	+1.52	4.20	0	10	12	9	9	se.	S. K. Pearson.
Lambertville	Hunterdon	430	49	66.0	+0.2	90	11	40	26	30	1.90	−1.46	1.51	0	7	14	5	11	e.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	67.2	−0.1	93	9	37	26	34	3.79	+0.11	2.39	0	10	15	6	9	w.	Passaic Valley Water Co
Newark	Essex	10	....	66.6	−0.1	91	8	44	26	27	4.05	+0.32	3.16	0	9	7	13	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	67.2	+1.4	90	12	42	26	29	4.50	+1.14	2.64	0	8	14	7	9	s.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	3.53	−0.55	1.98	......	8	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	67.2	+0.8	91	8	42	26	25	3.53	−0.08	1.05	0	10	13	4	13	se.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	66.4	+0.9	91	9	38	26	32	3.28	−0.75	1.92	0	10	12	9	9	s.	S. K. Pearson.
Ridgefield	Bergen	80	19	66.6	+1.7	90	8†	40	26	26	3.80	+0.66	3.11	0	8	10	9	11	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	53	66.2	+0.1	91	8	44	30	28	2.58	−1.14	1.64	0	12	9	9	12	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	3.47	−0.39	1.94	......	7	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	67.1	+0.3	87	9	50	26	20	5.07	+1.68	4.25	0	11	11	8	11	se.	U. S. Weather Bureau.
Means and extremes	......	......	....	66.7	+0.8	94	12	32	26	37	3.34	−0.30	4.20	0	9	12	8	10	se.	
The Southern Interior.																				
Belleplain	Cape May	30	42	67.6	+1.3	89	9†	39	26	34	6.82	+3.44	3.57	0	8	16	7	7	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	67.4	−1.0	91	9	43	25	35	6.21	+2.90	4.32	0	6	21	3	6	ne.	Bennett K. Matlack
Burlington	Burlington	12	§50	69.6	+1.9	92	12	43	26	33	4.73	+1.17	2.93	0	6	18	4	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	69.0	......	92	12	44	26	28	5.71	......	2.45	0	9	11	9	10	ne.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	67.0	......	91	12	39	26	30	6.39	+2.10	2.15	0	7	20	4	6	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	68.4	......	92	9†	40	26	34	5.67	+1.46	3.50	0	8	11	12	7	sw.	J. G. Wilson.
Hightstown	Mercer	110	43	67.0	+0.3	91	12	40	26	29	5.71	+2.50	3.94	0	12	9	15	6	ne.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	68.0	+1.6	91	8	41	26	37	6.11	+2.62	4.26	0	7	10	11	9	ne.	James M. Armstrong.
Lakewood	Ocean	54	32	66.3	+1.3	87	8	43	26	31	6.90	+3.86	4.90	0	6	11	7	12	ne.	R. W. Holman.
Maple Shade	Burlington	65	1	68.2	......	91	12	42	26	30	6.31	......	2.95	0	8	7	12	11	s.	Richard J. Smith.
Moorestown	Burlington	62	73	67.4	+1.1	91	12	42	26	28	6.52	+2.99	3.25	0	8	9	12	9	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	6.22	+3.37	4.14	0	10	...	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	68.8	......	92	9	44	26	33	6.22	......	2.73	0	7	14	4	12	e.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	66.8	......	87	8†	44	26†	32	5.43	+2.46	4.36	......	8	19	4	7	e.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	66.8	......	91	12	37	26	35	5.42	+1.82	3.94	......	7	17	11	2	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	67.6	+0.7	90	9	44	26	25	4.29	+0.89	2.38	0	9	10	9	11	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	5.08	......	3.37	0	7	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	67.0	+0.3	91	12	42	25	33	5.09	+1.83	4.45	0	6	13	6	11	nw.	John H. Brown.
Philadelphia, Pa	......	26	65	69.5	+1.5	91	9	47	26	23	3.72	+0.58	1.87	0	10	10	8	12	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	67.7	+0.8	92	9†	37	26	37	5.82	+2.42	4.90	0	8	14	8	8	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	68.1	+1.3	80	9	51	25	19	5.74	+3.09	4.01	0	9	7	8	15	s.	U. S. Weather Bureau
Long Branch	Monmouth	25	28	66.8	+0.9	91	8†	49	30	28	6.18	+2.99	4.42	0	11	7	9	14	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	67.8	+0.3	87	12	50	29	18	5.78	+2.35	4.43	0	9	9	11	10	s.	U. S. Weather Bureau
Means and extremes	......	......	....	67.6	+0.8	91	8†	49	30	28	5.90	+2.81	4.43	0	10	8	9	13	s.	
For the State	......	......	....	66.9	+1.0	94	12	28	26	39	4.30	+0.74	4.90	0	8	12	8	10	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-11-3-36-900

Daily Precipitation for September, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware		T.					T.	.32											.16	T.				.10					.12	.55		1.25
Charlotteburg	Passaic			.19												.35			.32	1.06		.16		.03		.08				.47	.16		2.82
Culvers Lake	Delaware		.12													.49		.03	.22			.03			.46					.45	.35		2.15
Dover	Passaic		.70					.01	.08							.38			1.20		.12				.06					.51	.31		3.37
Layton	Delaware		.07													.45		.03	.23			.03			.26					.55	.24		1.86
Newton	Delaware			.02												.29		T.	.20	.02	T.	.03			.12	.02			.01	.30	.27		1.28
Phillipsburg	...do		.08	.09				T.					.09			.05		T.	.03		.02	T.			.14				.04	.20	.64		1.28
Sussex	Hudson		.25	.02					1.26							.56		.06	.22	.04		.04			.03	.17				.62	.11		3.38
The Red Sandstone Plain.																																	
Boonton ‖‖	Passaic			.08						.17						.15	.09			1.55		.19				.03				T.	.60		2.86
Canoe Brook ‖‖	....do			.08						.04				.02		.17	.03		.03	1.85		.06				.07				.01	.31		2.67
Chatham ‖‖	....do			.19						.02						.07	.11			1.73		.04		.02		.06			T.	.01	.33		2.58
Elizabeth	Coast			.07					.02				T.	.14		.10			1.68	1.40	.02	.14			T.					.09	.34		4.00
Flemington	Raritan			.04				T.					.02			T.			.55	.86	T.	.05			.01	.01				.03	.43		2.00
Jersey City	Coast		T.	.04					T.				.01			.08			3.70	.50	.02	.10	T.	T.	.05				T.	.06	.36		4.92
Lambertville	Delaware		T.											.07		.03			.96	.55	T.				.11					.07	.11		1.90
Little Falls ‖‖	Passaic			.21						.04						.24	.01		.36	2 03		.10				.05				.02	.73		3.79
Newark***	Coast		.02	T.					T.				.01			.15			3.16	T.	.11	.01	T.	T.	.04				T.	.21	.34		4.05
New Brunswick	Raritan			.10										.02		.08			1.15	2.64		.12			T.	.01				T.	.38		4.50
New Milford**	Hackensack		.35													.16			1.98		.16	.05			.05					.47	.31		3.53
Paterson	Passaic		T.	.22					.02							.21			1.05	.92	T.	.21		T.	.01	.04				.30	.55		3.53
Plainfield	Raritan			.06					T.				.01			.10			1.92	.40	.04	.12	T.	T.	.07				T.	.08	.48		3.28
Ridgefield**	Hackensack		.01	.04					T.				T.			.01			*	3.11		.18	T.						T.	.02	.43		3.80
Somerville	Raritan			.04				.04						.12		.02			.92	.72	.02	.05			.04	.03			T.	.02	.56		2.58
Woodcliff Lake**	Hackensack		.34													.21			1.94		.15	.07								.45	.31		3.47
New York, N. Y***	Coast	T.	.03	.01					T.				.01			.07			4.23	.02	.10	.02	T.	T.	.06				T.	.20	.32		5.07
The Southern Interior.																																	
Belleplain	Tuckahoe			1.40										.10					3.10	.47		T.			.15	.17				.53	.90		6.82
Bridgeton	Delaware		.34																4.32		.30				.15					.58	.52		6.21
Burlington	Delaware		T.	.10															2.03	.90		.93			.03						.74		4.73
Camden**	.. .do		.09	.05					.40					T.		T.			2.45		.62	.85			.04					.20	1.01		5.71
Freehold	Raritan		.04													.05			2.15	2.00		1.25		T.		.05				T.	.85		6.39
Hammonton	Mullica			.18		T.				T.				T.		T.			3.50	1.05	T	.19		T.	.03	.10				.02	.60		5.67
Hightstown	Raritan		T.	.05					T.				.02			.01			2.00	1.94	.01	1.05		.01	.01	.05			T.	.01	.55		5.71
Indian Mills	Mullica			.28										.20					2.16	2.10	T.	.20			.09					T.	1.08		6.11
Lakewood	Metedeconk			.25												T.			3.40	1.50		.70				.15				T.	.90		6.90
Maple Shade	Delaware		.11						.04		T	T.		T.		T.		.01	2.95		1.31				.06			T.		.23	1.60		6.31
Moorestown ‖‖	....do		.07						.02									.03	3.25		1.31				.07			T.		.23	1.54		6.52
Northfield	Coast			.20										.26					4.14	.34	T	.12	.02		.12	.02				.40	.60		6.22
Pemberton	Delaware			.22												T.			1.52	2.73		.83	.01	T.		.06		T.			.85		6.22
Pleasantville ‖‖	Coast			.12							.03			.06					.11	4.25		.17				.12					.57		5.43
Runyon	Coast			.08										.22		.09			.90	3.04		.57									.52		5.42
Trenton***	Delaware		.01	.03									.02			T.			2.38		.93	.01			.03				T.	.04	.84		4.29
Trenton No. 2**	....do		T.	.01					T.				T.			T.			3.37		.54	.22			.08					.03	.83		5.08
Tuckerton	Coast			.13										.14					4.00	.45		.21									.16		5.09
Phila., Pa***	Delaware		.03	.04					.29					T.		.02			1.06		.62	.12			.01					.13	1.35		3.72
The Sea Coast.																																	
Atlantic City***	Coast		.06	.06									.09	.02					4.01	T.	T.	.55			.08	T.		T.		.53	.34		5.74
Long Branch**	....do		.05	.03				T.					.06			.02			4.39	.03	.12	.52			.04				T.	.09	.83		6.18
Sandy Hook***	....do		T.	.06									.05	T.		.06			4.43	T.	.19	.49			.03				T.	.06	.41		5.78

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.152	.120	.032	.112	120	.080	.128	.064	.128	.160	.096	.072	.132	.104	.090	.046	.144	.062	....	.106	.044	.048	.080	.040	.070	112	.088	.056	.138	.022	....	2.646
	Wind movement	21	15	3	3	3	9	16	16	15	3	2	18	19	8	14	8	14	10	30	4	9	5	5	5	21	11	13	39	14	6	....	359
Pleasantville**	Evaporation	.192	.088	.160	.160	.192	.224	.176	.288	.174	.144	.144	.188	.208	.160	.128	.160	.206	....	.176	.106	.032	.064	.080	.184	.160	.128	.064	.288	.058	.030	....	4.360
	Wind movement	51	51	26	47	42	34	77	77	27	29	60	43	53	70	39	33	109	*	156	81	25	34	40	133	54	49	85	61	86	130	....	1802
Runyon	Evaporation	.160	.080	.080	.240	.180	.180	.120	.225	.180	.180	.180	.180	.120	.165	.090	.160	.150	.000	....	.150	.030	.160	.090	.120	.130	.140	.130	.120	.060	.020	....	3.820
	Wind movement	15	13	35	38	28	32	48	38	41	42	35	64	48	60	33	37	39	65	158	22	19	35	18	32	36	43	71	66	37	60	....	1308

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for September, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	81	72	83	81	81	82	82	91	92	87	86	89	83	78	69	88	78	72	83	75	82	87	82	73	69	72	78	73	61	53	....	78.8
	Minimum	48	55	61	50	50	53	52	63	63	58	59	68	63	54	61	62	61	55	57	49	62	60	60	59	48	35	46	60	47	45	....	55.5
Charlotteburg	Maximum	76	78	79	83	76	77	80	88	92	88	80	88	83	79	68	84	82	73	77	74	76	80	80	76	69	67	73	74	61	58	....	77.3
	Minimum	45	52	58	45	49	45	46	65	58	51	51	63	67	47	57	60	58	53	54	40	58	58	57	59	46	28	48	59	45	42	....	52.1
Dover	Maximum	74	72	77	73	70	73	77	86	85	80	77	84	75	69	64	81	72	67	73	68	74	78	72	70	60	62	72	70	58	52	....	72.2
	Minimum	47	56	60	51	51	51	54	65	63	58	57	65	64	52	59	62	61	54	55	46	60	61	61	57	45	33	43	52	45	44	....	54.4
Layton	Maximum	78	71	80	75	76	76	80	89	87	83	83	87	83	75	65	83	80	76	78	68	78	83	81	70	68	67	74	70	54	54	....	75.7
	Minimum	43	55	58	44	45	44	47	63	63	54	53	67	62	48	58	63	63	52	57	45	60	55	54	52	42	32	41	40	44	40	....	51.5
Newton	Maximum	76	71	80	79	78	77	78	88	89	85	83	87	80	75	66	85	77	69	78	68	79	84	82	72	68	68	74	70	57	53	....	75.9
	Minimum	49	54	58	48	48	50	52	63	62	55	58	64	61	50	57	60	60	51	54	57	58	55	60	54	44	33	43	54	43	40	. .	53.2
Phillipsburg	Maximum	79	71	79	75	77	77	80	89	87	84	81	87	78	71	69	84	75	69	80	68	78	83	79	72	66	68	75	69	56	51	....	75.2
	Minimum	50	56	62	52	50	56	51	61	63	59	59	67	65	55	62	63	62	57	55	50	62	61	61	62	50	36	49	55	47	47	....	56.2
Sussex	Maximum	79	72	82	82	80	80	82	91	87	89	89	88	82	81	65	87	82	77	80	68	82	89	89	70	70	74	75	76	61	54	....	78.8
	Minimum	48	57	60	50	48	50	53	65	63	56	57	67	65	52	58	62	64	54	56	48	61	60	60	55	48	35	42	59	45	42	...	54.7
The Red Sandstone Plain.																																	
Boonton§§	Maximum	76	73	81	78	76	76	79	88	89	84	79	87	79	74	66	83	77	64	79	70	77	81	73	74	65	67	75	69	63	56	....	75.3
	Minimum	52	55	59	54	53	48	51	59	61	57	57	63	63	54	57	60	59	60	54	41	49	61	61	61	49	35	40	55	49	45	....	54.1
Canoe Brook§§	Maximum	78	74	82	79	74	78	80	91	90	84	78	90	77	74	71	84	80	69	81	72	78	83	71	76	66	66	76	71	65	57	....	76.5
	Minimum	41	52	58	45	46	47	48	61	59	52	55	60	59	48	56	60	57	54	54	47	55	59	61	58	48	32	42	60	47	44	....	52.2
Elizabeth	Maximum	80	74	83	80	73	80	83	92	90	85	79	92	82	75	68	86	78	71	82	75	80	85	85	79	70	69	78	77	67	58	....	78.5
	Minimum	49	57	61	58	57	51	53	66	65	61	62	64	67	52	62	64	61	55	56	52	61	62	65	63	48	43	51	63	50	46	....	57.5
Flemington	Maximum	83	80	84	78	81	80	84	93	91	90	87	94	86	85	72	90	76	73	82	77	84	87	85	80	71	71	79	76	64	55	....	80.6
	Minimum	52	55	62	54	52	52	51	67	64	60	59	66	67	55	61	64	60	57	58	51	62	62	63	63	49	37	47	63	50	46	....	57.0
Jersey City	Maximum	78	75	83	78	74	73	80	88	90	82	77	88	79	73	70	79	77	71	78	71	78	80	69	73	66	63	73	71	56	58	....	75.0
	Minimum	58	65	61	63	63	60	59	67	70	67	66	67	66	61	61	66	65	56	55	61	60	64	63	58	50	49	58	54	50	50	....	60.4
Lambertville	Maximum	77	70	76	80	76	75	85	84	86	88	90	89	80	73	70	85	77	60	79	70	75	76	81	78	76	62	76	71	61	57	....	76.1
	Minimum	53	58	56	55	58	59	62	58	56	58	66	62	60	57	60	63	56	54	56	54	59	59	56	60	54	40	50	48	43	47	....	55.9
Little Falls§§	Maximum	80	76	83	83	85	86	82	92	93	88	81	90	80	77	72	85	78	73	85	74	79	85	73	74	67	69	78	74	67	58	....	78.9
	Minimum	48	56	61	52	51	52	52	67	63	58	60	63	64	53	59	61	60	54	54	48	52	68	64	59	50	37	49	57	47	45	....	55.5
Newark	Maximum	77	75	81	76	73	75	81	91	89	83	75	90	77	72	68	83	78	67	80	73	75	80	69	74	64	65	76	72	56	56	....	75.0
	Minimum	51	61	61	57	56	58	54	65	67	64	67	66	65	58	61	65	63	55	57	54	63	62	64	58	49	44	55	56	45	48	....	58.3
New Brunswick	Maximum	77	76	81	80	74	76	81	89	87	82	80	90	87	73	69	84	80	70	79	73	77	80	77	80	74	64	75	73	63	55	....	76.9
	Minimum	49	57	61	56	55	53	52	66	65	63	61	65	67	57	61	64	62	55	57	53	61	62	65	62	49	42	50	63	50	45	....	57.6
Paterson	Maximum	78	75	80	77	74	78	80	91	90	83	79	89	84	79	66	84	78	69	79	75	76	81	72	73	69	67	75	73	61	57	....	76.4
	Minimum	54	59	62	55	56	54	57	69	67	61	62	64	64	56	60	64	61	55	57	52	60	64	66	62	50	42	52	60	46	46	....	57.9
Plainfield	Maximum	79	76	84	79	75	74	82	89	91	84	79	90	80	74	70	80	78	71	79	71	79	81	70	74	67	64	75	72	56	58	....	76.0
	Minimum	54	60	58	62	60	57	50	60	67	66	62	64	64	60	60	62	60	55	54	56	58	60	60	57	46	38	50	50	48	48	....	56.9
Ridgefield	Maximum	78	74	81	78	74	78	81	90	89	85	79	90	78	73	67	84	77	68	79	72	76	80	72	73	60	66	75	69	54	59	....	75.3
	Minimum	52	59	62	56	56	53	57	67	66	61	67	66	62	58	61	66	65	55	56	51	61	64	66	60	51	40	54	54	46	46	....	57.9
Somerville	Maximum	77	73	81	78	75	77	80	91	90	84	83	90	78	74	68	85	81	68	79	73	79	82	77	77	69	67	75	73	59	55	....	76.6
	Minimum	49	56	60	50	50	52	53	65	64	59	58	64	65	55	60	62	61	54	54	53	60	64	66	61	46	40	47	58	48	44	....	55.9
New York. N. Y	Maximum	75	73	80	76	71	73	78	86	87	82	75	85	77	71	67	77	75	70	76	70	76	78	67	72	64	62	71	70	56	58	....	73.3
	Minimum	58	66	62	63	63	60	59	68	70	67	66	68	67	62	61	66	66	56	56	61	61	65	63	58	51	50	58	55	50	50	....	60.9
The Southern Interior.																																	
Belleplain	Maximum	79	80	78	77	75	76	82	87	89	82	79	89	85	75	76	84	84	77	80	77	76	80	78	84	71	67	79	79	74	59	....	78.6
	Minimum	49	62	62	57	49	46	48	67	64	58	56	66	68	57	56	60	57	60	58	53	64	60	60	64	45	39	43	68	52	49	...	56.6
Bridgeton	Maximum	80	68	75	76	75	74	84	86	91	80	81	85	82	75	78	81	87	62	80	74	80	83	78	82	68	68	76	75	62	57	....	76.8
	Minimum	61	61	58	55	53	55	66	67	63	62	66	70	58	60	62	61	57	57	56	62	63	61	63	47	43	49	60	52	47	49	...	58.1
Burlington	Maximum	80	76	82	85	78	80	85	91	91	91	85	92	88	78	74	88	87	88	81	76	81	82	83	83	70	71	77	77	62	58	....	80.7
	Minimum	53	58	62	58	54	52	52	66	66	63	59	65	68	58	61	64	59	70	59	55	63	62	65	63	50	43	50	59	53	48	....	58.6
Camden	Maximum	80	78	78	77	77	80	85	90	91	83	85	92	81	77	75	86	83	70	80	72	79	82	84	84	66	70	77	77	60	56	....	78.5
	Minimum	56	62	63	58	55	55	57	67	69	66	61	69	65	58	63	66	63	58	62	57	63	65	64	61	50	44	52	58	49	53	....	59.6
Freehold	Maximum	76	75	81	78	75	78	83	90	89	84	80	91	85	73	71	84	81	71	81	76	79	80	80	82	76	67	76	72	56	57	....	77.6
	Minimum	54	57	62	57	50	51	53	64	68	61	61	63	65	52	58	64	60	57	57	53	61	61	63	63	47	39	46	47	48	49	. . .	56.4
Hammonton	Maximum	80	79	79	80	76	78	85	90	92	85	82	92	88	77	75	86	89	75	81	71	79	82	82	84	69	69	80	77	62	57	....	79.4
	Minimum	51	61	64	57	51	49	54	66	66	61	58	65	66	54	58	64	59	59	58	53	64	62	62	63	48	40	46	61	54	49	....	57.4
Hightstown	Maximum	78	75	81	78	74	79	81	90	88	83	83	91	81	72	71	86	81	70	81	74	79	81	81	82	70	65	76	73	59	56	....	77.3
	Minimum	49	56	61	55	50	50	53	66	67	60	59	65	65	54	61	64	62	56	57	53	61	64	64	62	47	40	47	59	50	46	....	56.8
Indian Mills	Maximum	81	78	78	78	77	80	86	91	89	83	82	89	84	74	75	86	84	74	78	72	78	82	83	84	69	71	78	75	72	58	....	79.0
	Minimum	49	60	61	57	51	48	49	66	55	60	58	65	68	55	60	64	56	61	54	58	63	61	63	63	46	41	50	68	53	48	....	57.0
Lakewood	Maximum	78	77	77	75	74	72	81	87	84	80	75	88	82	71	71	81	82	72	76	71	74	77	74	81	75	64	76	72	62	57	....	75.5
	Minimum	54	56	57	55	51	49	53	65	66	63	60	64	68	53	58	64	60	59	58	50	63	61	63	63	47	43	45	62	53	49	....	57.1
Maple Shade	Maximum	79	77	81	78	76	80	83	90	90	84	83	91	80	75	75	88	81	65	81	72	80	84	84	82	69	69	78	76	59	68	....	78.6
	Minimum	52	60	62	55	53	53	54	60	67	62	60	66	67	56	56	64	62	60	57	56	62	64	65	63	49	42	51	59	53	47	....	57.9
Moorestown	Maximum	78	77	80	77	76	77	82	89	89	79	83	91	81	76	74	85	83	68	79	72	78	81	82	82	66	68	77	75	59	54	....	77.3
	Minimum	52	61	62	56	54	52	54	64	65	61	59	67	62	56	62	65	61	57	56	56	61	64	64	57	46	42	51	58	50	47	....	57.4
Pemberton	Maximum	79	78	82	78	77	79	83	90	92	87	82	91	85	77	72	85	86	75	82	81	81	82	82	84	78	66	79	77	67	57	....	79.8
	Minimum	49	61	62	67	53	51	50	65	66	62	60	65	68	53	60	65	60	60	58	54	63	61	63	63	47	44	50	67	53	48	....	57.9
Pleasantville§§	Maximum	80	78	79	78	74	74	82	87	87	82	76	84	80	75	73	79	82	65	76	71	76	73	73	77	67	70	76	77	63	70	....	76.1
	Minimum	52	52	63	58	51	47	51	65	65	60	55	65	67	56	63	63	58	64	58	54	65	62	61	62	47	44	44	68	54	51	....	57.5
Runyon	Maximum	74	75	83	78	74	77	82	90	87	85	83	91	88	73	82	85	82	75	80	78	82	80	77	82	79	72	75	77	65	60	....	79.0
	Minimum	40	46	68	55	46	44	48	63	61	64	54	61	61	48	62	64	60	62	58	56	65	63	63	63	42	37	40	46	48	50	....	54.6
Trenton	Maximum	78	76	81	77	74	77	81	89	90	83	82	89	77	72	71	84	78	70	78	71	78	79	81	82	65	66	75	73	56	55	....	76.3
	Minimum	56	63	62	59	56	56	56	66	68	65	62	68	63	59	62	66	63	56	62	56	63	65	64	57	49	44	52	56	46	46	....	58.9
Tuckerton	Maximum	78	78	76	77	74	75	78	80	90	80	80	91	75	74	73	78	78	70	77	72	75	74	78	74	75	74	70	74	70	60	....	75.9
	Minimum	55	60	60	64	55	55	60	55	65	65	60	65	65	58	58	60	62	55	55	55	62	58	60	60	42	45	58	58	56	55	....	58.0
Philadelphia, Pa	Maximum	79	78	80	79	77	77	81	88	91	84	82	88	81	75	73	84	83	70	81	70	78	83	84	83	69	68	75	76	59	56	....	77.7
	Minimum	62	63	63	62	61	60	60	68	71	69	63	69	68	63	63	67	66	58	63	60	65	65	64	60	51	47	56	57	48	47	....	61.3
The Sea Coast.																																	
Atlantic City	Maximum	79	74	76	71	72	75	76	78	80	73	75	79	76	72	74	78	77	70	75	70	75	70	71	74	67	64	73	78	62	62	....	73 2
	Minimum	60	65	64	63	60	64	65	68	68	67	65	71	67	66	66	69	68	59	60	65	66	65	63	60	51	53	63	60	55	54	....	63.0
Long Branch	Maximum	79	76	77	74	72	72	83	91	84	82	73	91	76	68	70	78	82	69	77	71	72	74	70	75	65	64	73	74	56	57	....	74.2
	Minimum	51	59	61	59	55	54	57	69	69	64	64	68	65	57	64	67	64	58	58	55	64	63	65	61	50	52	54	58	50	49	....	59.5
Sandy Hook	Maximum	77	74	76	74	70	72	79	86	85	80	72	87	74	68	68	79	78	70	76	71	73	75	68	75	65	63	72	73	58	58	....	73.2
	Minimum	60	67	64	63	63	63	62	69	69	67	68	69	66	63	64	68	67	59	59	62	64	65	65	60	55	54	60	58	50	50	....	62.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

24

H. O. GEREN.
TRENTON, N. J.

VOL. XLI. OCTOBER, 1936. No. 10.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Nearly normal conditions prevailed during the month. The temperature average was quite close to the normal but there were the usual periods of alternating warm and cold weather that prevail at this season of the year. The main cool period came during the last seven days of the month, with less pronounced and shorter periods from the 2d to 5th, inclusive, 12-13th, and 18-19th. The lowest temperatures reached were in the twenties over the southern portion and generally between ten and twenty over the northern part of the State. Temperatures remained above normal from the 6th to 24th, inclusive, except for the two short cool spells mentioned above, the 12-13th and 18-19th. The highest recorded were mostly in the high seventies and low eighties, and occurred during the 20th- 22d, inclusive.

The Red Sandstone Plain experienced more than the normal precipitation, while over the remainder of the State it was below. The percentages of normal amounts for the various sub-divisions were as follows: The Highlands, 89%; Red Sandstone Plain, 109%; Southern Interior, 84%; Sea Coast, 82%; State, 100%. The heaviest general rains came on the 1st and 17th, the amounts ranging between one and three inches on each of those dates, especially the 17th, Other less important rains came from the 7th to 10th, inclusive, and on the 26th.

The first killing frosts of the season occurred at a few stations in the north on the 4th, but were much more general over the State, except along the southern sea coast, on the 27th and 28th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 55.6°, which was 0.9° above normal. The highest temperature was 82° at Burlington on the 22d, and the lowest, 9°, at Layton on the 28th. The greatest daily range of temperature was 44° at Charlotteburg on the 5th. The highest monthly mean temperature was 59.6° at Burlington, and the lowest, 50.5° at Layton.

The temperature departure from the normal for the year 1936, to date, by sections, is: The Highlands, +0.7°; Red Sandstone Plain, +0.5°; Southern Interior, +0.2°; Sea Coast, +0.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 3.40 inches, which was 0.01 inch below normal. The greatest monthly precipitation was 4.84 inches, at Ridgefield, and the least, 1.80 inches at Bridgeton. The greatest amount of precipitation in any 24 consecutive hours was 3.13 inches at New Milford on the 17th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +2.41 inches; Red Sandstone Plain, +2.22 inches; Southern Interior, +1.42 inches; Sea Coast,—1.65 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 6, 7, 8, 9, 10, 16, 21, 22, 23, 24.
THUNDERSTORMS: 17.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City......	30.11	30.54	14	29.25	17	14.7	59	e.	17	82	66	75	61
Long Branch......	30.09	30.55	14	29.23	17	11.6	40	nw.	30	82	64	73	60
Ridgefield.........	30.09	30.54	14	29.18	17	....	....	....	....	....	....	....	....
Sandy Hook.......	30.09	30.51	14	29.20	17	13.8	43	nw.	30	81	65	74	64
Trenton...........	30.10	30.55	14	29.20	17	8.8	30	nw.	30	81	56	71	59

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	...
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	**95**	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	**59.9**	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	**8.92**	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	**11**	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	**0.31**	0	1	23	6	2
1925	**49.1**	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
Period	54.7	95	11	3.41	0	8	15	8	8

Climatological Data for October, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	53.4[d]	−1.7	78	22	19	28	38	3.10	−0.72	1.17	0	7	17	4	10	.....	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	52.5	+1.2	76	20†	10	28	44	4.35	−0.06	2.45	0	9	23	1	7	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	.....	.....	.....	.....	.....	.....	....	3.45	−0.16	1.01	0	6	23	5	3	e.	Brice E. Riker.
Dover	Morris	600	52	52.0[a]	+0.6	75	20	15	28	37	2.14	−2.00	0.85	0	9	4	16	11	......	William C. Harris
Layton	Sussex	480	35	50.5	−0.6	76	22	9	28	39	3.49	−0.26	1.48	0	6	11	5	15	sw.	A. M. Depue.
Newton	Sussex	769	53	52.6	−0.2	78	9	18	28	34	3.12	−0.53	1.50	0	9	9	6	16	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	52.9	−0.8	74	20†	20	28	34	3.62	+0.02	1.64	0	8	16	6	9	......	Town Engineer.
Sussex	Sussex	442	41	54.2[a]	+1.3	78	20†	17	28	39	3.65	+0.29	1.89	0	10	18	4	9	......	A. J. W. Mowatt
Means and extremes	.....	.....	....	52.6	0.0	78	9†	9	28	44	3.36	−0.43	2.45	0	8	15	6	10	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	52.6	+0.6	76	22	16	28	38	3.79	−0.12	1.56	.....	10	16	0	15	sw.	John Kline.
Canoe Brook	Essex	173	6	52.9	.....	78	20†	13	28	43	4.62	....	2.22	......	9	14	9	8	w.	N. J. Water Policy Comm.
Chatham	Morris	185	32	.....	.....	.....	.....	.....	.....	....	3.90	−0.21	1.93	......	8	12	13	6	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	56.2	+0.9	79	22	21	28	38	4.27	+0.32	1.82	0	6	20	0	11	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§50	56.4	+0.8	80	20†	20	28	40	3.13	−0.38	1.50	0	7	17	5	9	w.	Hiram E. Deats
Jersey City	Hudson	10	38	57.4	+1.2	78	22	27	27	25	4.41	+0.31	2.50	0	8	12	7	12	n.	S. K. Pearson.
Lambertville	Hunterdon	430	49	53.0	−1.2	73	16	23	24	34	3.12	−0.43	1.64	0	6	21	2	8	w.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	55.7	+2.5	80	22	18	28	42	4.52	+0.93	2.59	0	10	15	5	11	w.	Passaic Valley Water Co
Newark	Essex	10	....	55.8	+0.1	78	20†	25	28	32	4.30	+0.49	2.08	0	7	10	8	13	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	55.8	+1.1	78	22	22	28	32	3.98	+0.16	1.75	0	8	16	8	7	se.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	.....	......	.....		.....	.....	....	4.68	+1.80	3.13	......	7	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	55.4	+0.2	78	22	25	27†	35	4.19	+0.08	2.49	0	10	16	7	8	sw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	55.4	+1.6	79	22	22	28	38	4.30	+0.22	2.00	0	8	12	8	11	n.	S. K. Pearson.
Ridgefield	Bergen	80	19	55.0	+2.0	79	20	22	28	33	4.84	+0.61	2.92	0	5	10	10	11	s.	George P. Kirsten.
Somerville..(near)	Somerset	385	53	55.0	+0.9	77	20	21	27	32	3.89	+0.31	1.43	0	6	13	6	12	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	.....	......	.....	.....	.....	.....	....	4.00	+1.15	2.65	......	6	....	....	....	......	Hackensack Water Co.
New York, N. Y.	.....	10	66	57.0	+0.7	75	21	27	27	29	4.05	+0.52	2.40	0	9	11	7	13	sw.	U. S. Weather Bureau
Means and extremes	.....	.....	....	55.1	+0.9	80	20†	13	28	43	4.12	+0.35	3.13	0	8	15	6	10	w.	
The Southern Interior.																				
Belleplain	Cape May	30	42	56.8	+1.3	79	22	23	28†	35	2.85	−0.05	1.92	0	7	18	6	7	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	57.6	+0.4	78	10†	26	26	40	1.80	−1.30	1.21	0	6	22	5	4	s.	Bennett K. Matlack
Burlington	Burlington	12	§50	58.6	+1.7	82	22	28	28	35	1.81	−1.68	1.05	0	5	15	8	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	4	57.4	....	80	22	25	28	32	1.84	....	0.72	0	6	12	6	13	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	56.0	....	78	22	22	28	33	3.67	−0.04	2.01	0	6	21	6	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	57.6	....	80	22	22	28	33	3.00	−0.85	1.86	0	8	12	13	6	w.	J. G. Wilson.
Hightstown	Mercer	110	43	56.0	+1.1	79	22	22	28	32	3.54	−0.16	1.68	0	10	15	5	11	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	57.4	+2.2	80	22	20	28	36	3.31	−0.38	1.77	0	6	10	14	7	sw.	James M. Armstrong.
Lakewood	Ocean	54	32	56.0	+1.8	76	7†	23	28	32	4.28	+0.48	2.95	0	7	15	0	16	nw.	R. W. Holman.
Maple Shade	Burlington	65	1	56.8	....	80	22	24	28	31	1.97	....	1.07	0	6	10	9	12	e.	Richard J. Smith.
Moorestown	Burlington	62	73	56.2	+1.3	78	22	23	28	33	1.84	−1.64	1.17	0	6	11	11	9	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	.....	....	.....	.....	.....	.....	....	3.63	+0.43	2.56	0	8	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	57.8	....	80	22	24	28	33	2.96	....	1.62	0	7	17	5	9	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	57.4	....	76	20	25	28	38	3.41	+0.08	2.24	......	8	18	6	7	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	54.0	....	77	10†	12	28	43	3.20	−0.62	1.64	......	5	19	5	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	56.4	+0.8	79	22	27	27	30	2.76	−0.02	1.92	0	8	12	7	12	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	.....	....	.....	.....	.....	.....	....	2.99	....	1.29	0	9	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	59.6	+3.7	78	21†	26	26†	34	2.00	−1.62	1.16	0	9	11	12	8	n.	John H. Brown.
Philadelphia, Pa.	.....	26	65	58.6	+0.8	78	22	29	27	26	1.76	−1.05	0.67	0	8	11	8	12	sw.	U. S. Weather Bureau.
Means and extremes	.....	.....	....	57.0	+1.6	82	22	12	28	43	2.83	−0.53	2.95	0	7	15	7	9	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	59.4	+2.5	74	8	31	27	32	2.30	−0.90	1.45	0	10	10	6	15	se.	U. S. Weather Bureau
Long Branch	Monmouth	25	28	56.3	+0.9	78	20	26	28	30	3.26	−1.13	1.44	0	10	11	4	16	w.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	57.9	+1.0	75	10	31	27	28	3.77	−0.01	1.80	0	11	13	4	14	s.	U. S. Weather Bureau
Means and extremes	.....	.....	....	57.9	+1.5	78	20	26	28	32	3.11	−0.68	1.80	0	10	11	5	15	s.	
For the State	.....	.....	....	55.6	+0.9	82	22	9	28	44	3.40	−0.01	3.13	0	8	15	6	10	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-11-30-36-900

Daily Precipitation for October, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	1.17						.06	.07		.20				T	T.	*	1.38									.22						3.10
Charlotteburg	Passaic	1.36						.06	.02		.33				.03		.02	2.43	.03								.07						4.35
Culvers Lake	Delaware	1.62						.02			.40							1.01	.10								.30						3.45
Dover	Passaic	.85						.12	.04		.25					.02	.05	.71	.05								.05						2.14
Layton	Delaware	1.47						T.	.03		.27							1.48						T.	.06		.18						3.49
Newton	Delaware	1.50						.03	.02		.32				.01		.06	.93	.10					T.			.15				T.		3.12
Phillipsburg	...do	1.64						.25	.34	.04	.13					T.	.08	1.04	T.					T.	T.		.10				T.		3.62
Sussex	Hudson	1.89						.04			.34		.02		.04		.03	.93						.12			.18				.06		3.65
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	1.56							.14	.02	.28	.02			T.	.01		1.50	.19								.02	.05					3.79
Canoe Brook‖‖	....do	1.72						.02	.15	.05	.41	.01						2.11	.11								.04						4.62
Chatham‖‖	....do	1.36							12	.03	.34	.03			T.			1.93	.06						T.		T.	.03					3.90
Elizabeth	Coast	1.79						T.	.16		.40		T.		T.			1.82	.07						T.		.03						4.27
Flemington	Raritan	1.50						.01	.15	T.	.34							1.07							.01		.05				T.		3.13
Jersey City	Coast	1.45						.05	.10	T.	.23	T.		T.	.01	T.		2.50	.06					T.	.01		T.				T.		4.41
Lambertville	Delaware	1.64						.06	.16									1.08	.09								.09						3.12
Little Falls‖‖	Passaic	1.40							.20	.03	.25				.01			2.45	.14						.01		.02	.01					4.52
Newark***	Coast	1.50						.05	.05	.04	.46	T.			T.		.12	2.08						T.	T.		T.				T.		4.30
New Brunswick	Raritan	1.75						T.	.12	T.	.27		T.				.01	1.68	.08								.06				.01		3.98
New Milford**	Hackensack	1.11						.05		.19	.13						.04	3.13							.03								4.68
Paterson	Passaic	1.19						.03	.09	T.	.31	T.			.01	.01		2.49	.02					T	.01		.03						4.19
Plainfield	Raritan	1.78						.12	.10		.24	.01		T.				2.00	.01								.04						4.30
Ridgefield**	Hackensack	1.49							.20		.22				.01	T.	*	2.92						T.	T.		T.				T.		4.84
Somerville	Raritan	1.36						T.	.48		.58							1.43							.01		.03						3.89
Woodcliff Lake**	Hackensack	1.04									.24				.02		.03	2.65										.02					4.00
New York, N. Y***	Coast	1.24						.04	.10	.14	.09	T.		T.	.01	T.	.02	2.40						T.	.01		T.				T.		4.05
The Southern Interior.																																	
Belleplain	Tuckahoe	.17							.17	.17	.07							1.92	.22								.13						2.85
Bridgeton	Delaware								.02	.38							.92	.29						.04			.15						1.80
Burlington	Delaware	.18							.25		.20							1.05									.13						1.81
Camden**	..do	.50						.13	.31	.05	T.						T.	.72									.13						1.84
Freehold	Raritan	1.12						T.	.17	T.	.14		T.					2.01	.11						T.		.12						3.67
Hammonton	Mullica	.33						.01	.18	T.	.18							1.86	.21						.04		.19				T.		3.00
Hightstown	Raritan	1.08						.01	.20		.38	.01						1.60	.08						.02		.12				.04		3.54
Indian Mills	Mullica	.51							.45		.18							1.77	.12								.28				T.		3.31
Lakewood	Metedeconk	.80							.20		.12							2.95	.10						.06		.05				T.		4.28
Maple Shade	Delaware							.21	.20	.18	T				T.		1.07	.16						T.			.15				T.		1.97
Moorestown‖‖	....do							.08	.32	.14					T.		1.05	.12						T.		T.	.13				T.		1.84
Northfield	Coast	.09						T.	.27	.08	.19	.01						2.56	.29				T.				.14				T.		3.63
Pemberton	Delaware	.52					T.		.34		.15							1.62	.20						.02		.11				T.		2.96
Pleasantville‖‖	Coast	.35								.02	.18	.15						2.24	.31						.05		T.	.11					3.41
Runyon	Coast	1.14							.07		.28							1.64									.07						3.20
Trenton***	Delaware	1.09						.03	.17	.15	.02						T.	1.19						T.	.01		.10				T.		2.76
Trenton No. 2**	....do	1.23						.02	.17	.11	.01						T.	1.29						T.	.02		.12				.02		2.99
Tuckerton	Coast	.14							.14	.02	.27							1.16						.06	.09	.08	.04						2.00
Phila., Pa***	Delaware	.54						.12	.28	.05	.01						.10	.59							T.		.07				T.		1.76
The Sea Coast.																																	
Atlantic City***	Coast	.07						T.	.30	.24	.04						.01	1.44	.01					.06	.04		.09				T.		2.30
Long Branch**	....do	1.18						T.	.17	.25	.06				T.		.03	1.44						.05	.02		.05				.01		3.26
Sandy Hook***	....do	1.80						.01	.10	.08	.04				.01		.02	1.61						.02			.06				.02		3.77

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch

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Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	*	.024	.080	.096	.080	.056	.028	.014	.018	.058	.018	.096	.096	.040	.000	.032	.094	.014	.032	.032	.096	.064	.032	.064	.064	056	.016	.032	.032	.064	.096	1.524
	Wind movement	13	10	3	6	4	9	10	11	2	2	15	36	26	2	1	9	32	45	19	34	12	25	19	5	3	21	25	10	13	27	48	497
Pleasantville**	Evaporation	.112	.192	.128	.144	.128	.112	.112	.052	.020	.118	.144	.192	.160	.096	.128	.240	.054	.160	.240	.128	.128	.128	.050	....	.080	*	*	.158	.064	.032	.096	3.396
	Wind movement	37	25	38	23	25	36	41	19	50	16	96	51	61	60	32	58	126	44	48	64	79	21	84	46	104	86	50	43	37	102	89	1691
Runyon	Evaporation	.040	.120	.110	.110	.110	.090	.080	.070	.090	.040	.120	.120	.120	.120	.060	.060	.200	.060	.120	.120	.120	.120	.060	.060	....	.000	.130	.060	.060	.080	.080	2.730
	Wind movement	89	24	23	25	25	27	28	44	38	38	46	69	59	26	27	24	46	63	109	90	75	42	46	52	....	54	54	25	23	27	63	1381

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for October, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	68	72	69	72	78	74	70	71	75	74	67	63	57	50	70	....	....	....	....	76	77	78	69	67	63	55	43	51	56	53	54	65.4d
	Minimum	48	43	41	36	39	41	59	61	56	54	51	42	35	45	46	....	....	....	....	38	44	51	42	43	31	35	25	19	29	34	28	41.3d
Charlotteburg	Maximum	67	69	67	68	74	68	72	72	72	72	70	65	59	52	71	69	72	68	60	76	75	76	72	61	63	61	46	51	56	51	55	65.5
	Minimum	46	44	33	29	30	32	59	60	48	55	44	44	29	35	46	49	58	45	36	34	46	53	47	43	24	40	17	10	24	37	29	39.5
Dover	Maximum	64	65	60	65	65	67	68	68	69	72	63	58	52	48	69	69	67	....	60	75	72	74	64	57	58	55	45	47	54	52	52	61.8a
	Minimum	48	45	39	34	36	37	60	62	52	57	51	43	32	42	48	54	57	45	49	38	51	58	48	37	29	29	21	15	27	37	29	42.3
Layton	Maximum	65	66	65	67	68	70	70	72	73	72	65	59	46	45	68	68	70	62	63	75	75	76	68	58	61	55	45	48	57	45	56	63.0
	Minimum	47	40	37	33	34	37	41	42	48	54	46	36	28	37	43	52	60	41	37	34	47	48	46	41	26	33	20	9	22	34	25	38.0
Newton	Maximum	64	69	63	67	70	71	68	72	78	74	67	60	52	44	69	69	71	61	61	75	75	75	68	68	61	54	42	49	55	49	55	63.7
	Minimum	45	43	37	36	41	40	57	59	53	53	54	40	31	39	41	53	58	43	36	41	49	53	42	41	31	33	20	18	30	37	28	41.4
Phillipsburg	Maximum	65	66	65	66	68	69	71	68	70	72	64	60	54	54	70	69	68	56	61	74	72	74	62	58	57	55	38	46	54	50	51	62.2
	Minimum	51	45	42	39	40	42	56	60	58	59	50	43	37	47	51	56	56	43	36	40	48	52	48	46	33	32	25	20	30	36	31	43.6
Sussex	Maximum	65	67	69	73	75	74	68	75	74	74	....	68	58	49	68	70	72	63	63	78	78	77	74	61	64	55	50	52	56	55	56	66.0a
	Minimum	47	42	36	34	39	38	60	60	48	65	..	44	31	41	44	55	59	47	39	41	49	51	47	44	29	44	21	17	27	39	31	42.3a
The Red Sandstone Plain.																																	
Boonton§§	Maximum	68	70	65	68	69	70	70	70	74	75	67	61	56	55	70	72	70	62	64	75	75	76	57	60	60	58	51	48	51	54	56	64.4
	Minimum	47	44	38	34	35	36	46	61	48	55	52	46	32	39	45	51	59	49	36	37	45	51	54	47	29	33	24	16	21	29	29	40.9
Canoe Brook§§	Maximum	69	72	67	69	70	71	73	70	73	76	68	63	59	55	74	73	72	66	66	78	76	78	62	61	60	64	55	51	57	53	57	66.4
	Minimum	47	39	39	32	33	38	45	55	48	55	49	43	30	35	45	53	60	46	33	35	43	48	52	45	22	37	17	13	23	35	25	39.4
Elizabeth	Maximum	69	73	69	71	73	72	77	75	74	77	76	72	57	55	75	75	71	65	66	78	77	79	71	60	61	59	46	50	59	56	56	67.5
	Minimum	50	45	44	39	40	44	60	61	54	61	57	45	38	46	52	57	62	49	32	40	46	51	54	45	34	41	27	21	30	36	30	44.9
Flemington	Maximum	69	72	69	74	76	74	75	70	73	77	73	65	64	57	75	74	74	68	69	80	70	80	72	62	66	59	47	54	62	56	61	68.3
	Minimum	50	47	46	38	38	42	60	62	58	59	55	44	37	45	50	56	61	48	37	40	43	50	53	47	32	41	26	20	28	41	29	44.6
Jersey City	Maximum	67	72	68	69	70	71	74	70	74	75	69	64	59	58	72	73	71	59	65	76	77	78	64	60	60	60	43	52	58	54	57	65.8
	Minimum	53	53	50	51	49	54	61	64	60	62	55	44	40	49	58	59	57	46	44	51	56	60	53	46	44	35	27	29	38	40	34	49.1
Lambertville	Maximum	66	68	71	66	70	68	70	65	72	66	67	62	60	60	70	73	64	60	62	72	62	59	58	60	56	65	65	68	70	68	64	65.1
	Minimum	48	48	46	41	42	46	50	44	54	49	50	40	35	36	51	55	49	44	39	38	35	28	30	23	33	39	35	36	32	34	38	40.9
Little Falls§§	Maximum	69	73	68	72	72	71	72	73	75	77	69	64	60	59	75	74	72	66	66	79	79	80	58	61	62	59	55	51	58	62	63	67.5
	Minimum	48	45	41	36	37	39	55	60	51	58	53	47	34	40	45	53	60	48	38	37	55	52	54	46	30	42	23	18	28	37	30	43.9
Newark	Maximum	68	72	66	68	69	70	75	71	75	77	68	64	57	54	72	73	71	57	64	78	78	78	62	57	58	60	41	49	56	54	55	65.1
	Minimum	54	50	46	42	44	47	61	62	55	61	55	44	40	48	53	58	57	44	39	46	52	55	50	46	37	31	27	25	35	40	34	46.4
New Brunswick	Maximum	67	70	67	68	70	70	75	72	71	77	74	64	57	58	74	73	71	67	64	76	76	78	72	61	60	60	47	48	56	52	52	66.0
	Minimum	50	46	46	40	38	43	59	62	58	60	60	46	37	46	52	59	60	48	39	45	48	53	54	48	34	43	25	22	30	38	29	45.7
Paterson	Maximum	69	70	65	68	70	70	72	72	72	76	72	62	55	49	72	74	70	65	63	77	76	78	70	58	59	59	42	50	57	53	56	65.2
	Minimum	49	47	44	40	43	42	61	64	54	59	56	47	37	44	48	56	60	48	42	42	50	55	51	46	36	39	25	25	34	40	32	45.7
Plainfield	Maximum	68	73	70	68	71	72	75	70	73	75	69	65	60	55	75	73	72	59	67	77	78	79	62	62	62	60	46	51	59	55	58	66.4
	Minimum	50	46	44	38	39	41	60	61	56	60	54	43	38	45	53	57	59	43	38	39	45	54	52	46	32	36	25	22	30	36	30	44.2
Ridgefield	Maximum	69	68	67	68	70	69	74	70	71	75	69	64	55	52	72	74	68	57	62	79	78	77	61	56	60	59	43	49	57	53	57	64.6
	Minimum	51	46	44	40	43	44	62	63	54	60	52	47	37	46	52	58	61	43	41	46	52	54	54	46	34	30	24	22	32	40	32	45.5
Somerville	Maximum	68	71	67	68	70	70	73	70	72	74	71	64	59	52	73	72	69	62	65	77	75	71	68	61	61	56	45	50	56	56	55	65.2
	Minimum	48	46	45	41	42	42	60	61	55	56	58	44	34	43	48	58	61	48	36	45	53	57	49	45	34	40	21	23	32	39	26	44.8
New York, N. Y	Maximum	66	71	65	69	68	69	73	69	74	74	68	61	58	59	69	72	68	57	63	74	75	75	64	57	58	60	41	52	55	52	55	64.2
	Minimum	53	53	51	53	52	56	62	64	61	62	55	44	40	50	59	59	57	46	44	52	57	61	54	46	47	31	27	34	40	40	34	49.8
The Southern Interior.																																	
Belleplain	Maximum	71	70	70	69	69	75	78	77	72	76	75	70	64	70	75	77	71	62	67	75	77	79	69	64	62	66	53	54	60	55	55	68.6
	Minimum	54	50	42	38	34	42	55	64	61	63	61	45	38	49	52	51	58	46	35	42	50	58	51	40	36	41	25	23	29	36	23	44.9
Bridgeton	Maximum	72	75	70	72	68	75	76	76	71	78	74	69	74	71	72	71	70	57	67	74	75	78	68	66	63	66	42	60	60	55	55	68.4
	Minimum	51	50	42	42	47	59	60	62	62	61	49	39	51	57	56	58	47	40	45	55	58	54	50	38	46	26	37	33	34	29	29	46.9
Burlington	Maximum	69	73	68	71	71	75	78	78	71	78	75	70	63	69	77	75	72	75	65	77	78	82	75	64	65	70	62	52	59	63	59	70.3
	Minimum	53	51	50	38	40	42	61	62	59	62	61	49	40	50	52	60	61	50	38	42	45	49	56	49	33	41	32	28	30	40	32	47.0
Camden	Maximum	72	70	68	69	71	75	78	72	71	78	69	68	60	70	76	73	73	58	66	77	77	80	68	60	65	63	40	52	59	55	53	67.3
	Minimum	59	53	47	42	42	45	62	65	62	63	55	50	40	50	58	58	60	48	45	45	47	52	54	44	37	34	27	25	34	39	34	47.6
Freehold	Maximum	69	70	66	68	71	71	76	70	69	76	71	64	61	65	74	73	69	64	63	75	76	78	65	59	62	63	47	50	56	54	52	66.0
	Minimum	50	46	48	39	42	44	58	63	59	61	60	45	36	47	56	58	60	47	36	42	49	55	55	48	33	40	24	22	31	38	30	45.9
Hammonton	Maximum	71	73	70	69	71	75	77	72	71	76	74	69	66	73	76	78	71	64	66	77	77	80	72	64	63	64	42	54	59	55	55	68.5
	Minimum	54	50	48	39	38	42	60	65	60	64	60	46	37	50	58	56	59	47	40	47	50	50	55	50	33	42	25	22	31	44	30	46.8
Hightstown	Maximum	67	71	68	70	71	72	75	69	68	76	72	65	60	61	75	75	70	65	63	75	76	79	70	60	63	62	47	50	56	53	52	66.3
	Minimum	50	46	48	38	39	40	60	62	59	60	59	47	36	45	53	59	60	47	39	43	50	56	54	48	33	44	24	22	30	37	28	45.7
Indian Mills	Maximum	72	72	68	69	72	76	78	70	70	75	72	69	66	71	77	77	70	68	66	78	77	80	70	60	64	62	50	52	58	55	54	68.3
	Minimum	50	49	45	36	36	62	60	64	60	63	59	45	37	48	58	56	58	47	37	42	60	52	54	49	31	39	25	20	29	39	29	46.4
Lakewood	Maximum	69	67	66	65	65	69	76	72	69	76	73	65	58	67	70	72	70	65	63	75	74	76	67	60	57	63	48	49	56	54	51	65.4
	Minimum	53	49	46	40	38	42	57	63	60	62	57	46	37	47	55	55	62	48	48	43	52	56	55	50	35	40	27	23	30	41	32	46.7
Maple Shade	Maximum	70	72	69	69	70	74	76	71	71	77	68	68	62	68	76	73	70	57	66	77	78	80	67	62	64	62	43	53	59	54	55	67.1
	Minimum	51	48	52	40	41	44	51	63	60	62	60	49	38	43	54	59	59	49	41	46	47	52	55	50	36	42	28	24	32	35	32	46.5
Moorestown	Maximum	70	70	65	67	69	73	76	73	71	77	68	67	61	69	75	75	70	58	65	76	75	78	67	60	63	61	41	51	57	53	63	66.6
	Minimum	52	49	46	39	40	42	60	64	61	62	56	48	38	49	57	56	58	47	41	45	42	50	54	43	34	33	27	23	31	40	37	45.9
Pemberton	Maximum	73	74	72	71	71	75	78	72	71	76	72	68	62	70	76	71	71	68	67	72	78	80	72	62	64	62	49	54	60	55	53	68.4
	Minimum	52	49	49	38	38	43	61	64	61	61	66	48	33	49	58	59	60	49	40	45	46	57	56	50	35	41	27	24	31	42	30	47.1
Pleasantville§§	Maximum	71	68	69	68	67	72	75	74	72	73	73	69	64	67	72	74	72	68	67	76	73	74	71	64	62	65	62	52	61	55	56	68.0
	Minimum	55	51	43	39	35	43	59	65	61	64	63	43	40	47	47	51	60	45	47	38	57	64	54	51	38	40	28	25	32	41	29	46.9
Runyon	Maximum	68	72	70	72	75	74	76	72	75	77	75	71	68	60	73	75	73	72	74	77	76	73	55	52	....	52	44	44	52	45	51	66.4a
	Minimum	48	46	46	32	32	44	60	62	64	64	42	36	36	36	54	45	61	38	36	46	46	58	36	28	....	36	23	12	24	29	31	41.7a
Trenton	Maximum	67	71	65	68	69	70	76	71	69	76	66	65	60	65	73	74	70	57	64	75	75	79	64	58	62	61	41	49	57	52	53	65.2
	Minimum	56	50	50	43	44	46	62	63	60	60	54	46	40	48	56	59	57	47	42	49	52	58	52	48	40	31	27	28	35	38	32	47.5
Tuckerton	Maximum	64	70	70	65	68	70	76	74	74	72	74	72	74	72	77	70	76	74	67	76	78	78	71	67	68	70	58	59	62	58	58	69.7
	Minimum	42	53	46	40	39	50	60	61	60	61	62	59	40	58	62	60	64	50	38	59	60	65	55	55	38	45	26	26	33	40	26	49.5
Philadelphia, Pa	Maximum	69	75	69	68	70	75	76	71	71	77	66	66	62	69	75	73	70	56	66	76	75	78	68	62	64	60	42	52	57	52	54	66.6
	Minimum	56	53	56	50	51	52	62	65	62	62	54	50	43	52	59	58	56	48	46	52	55	60	54	50	46	34	29	34	42	39	34	50.5
The Sea Coast.																																	
Atlantic City	Maximum	70	66	68	67	67	73	71	74	68	71	73	68	61	67	69	70	72	59	67	70	70	72	65	64	59	66	41	51	60	55	55	65.5
	Miuimum	61	55	54	51	53	56	64	67	64	66	57	52	46	60	63	63	59	49	47	61	63	65	59	52	48	34	31	35	42	40	34	53.3
Long Branch	Maximum	68	67	64	63	67	69	76	70	67	76	70	64	56	63	70	70	71	58	63	78	74	75	63	57	58	64	40	48	57	55	54	64.4
	Minimum	57	51	45	42	42	48	63	62	60	64	56	49	42	55	60	60	58	44	39	50	50	63	55	49	37	34	27	26	34	41	32	48.2
Sandy Hook	Maximum	68	68	66	66	66	68	73	68	67	75	67	65	56	62	68	70	69	59	63	72	71	72	63	57	58	62	41	48	56	53	52	63.5
	Minimum	58	57	55	55	53	56	63	64	60	64	57	49	45	54	62	61	59	49	47	54	56	62	55	50	50	34	31	37	43	42	38	52.3

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.

TRENTON, N. J.

VOL. XLI. NOVEMBER, 1936. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The State average temperature of 41.1 degrees was 2.5 degrees below the normal, only seven Novembers in 52 years of record were colder than this. The highest temperatures recorded were in the high seventies and occurred mostly on the 4th. The lowest were generally between 10° and 15°, although a few places reported lower than this, and were noted on the 28th. Periods of warm weather occurred on the 2d-5th and 20th-21st. The month finished with average temperatures below the normal.

The rainfall for the month was considerably below the normal in amount, there being only four Novembers in the last two decades that had lesser amounts, and only six since 1885. The Highlands and Kittatinny Valley region came the nearest to getting the normal amount. The Southern Interior and the Sea Coast were the driest. The following are the percentages of normal amounts received by the various subdivisions: The Highlands, 65%; Red Sandstone Plain, 36%; Southern Interior, 30%; Sea Coast 31%; the State, 37%. The snowfall during the month was about normal, the largest amounts, as would be expected, occurring in the northern sections. In the southern regions it was negligible. F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 41.1°, which was 2.5° below normal. The highest temperature was 80° at Hammonton on the 4th, and the lowest, 3°, at Layton on the 28th. The greatest daily range of temperature was 49° at Runyon on the 1st. The highest monthly mean temperature was 45.1° at Atlantic City, and the lowest, 35.6° at Layton.

The temperature departure from the normal for the year 1936, to date, by sections, is: The Highlands, +0.4°; Red Sandstone Plain, +0.2°; Southern Interior, 0.0°; Sea Coast, +0.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 1.18 inches, which was 2.00 inches below normal. The average total snowfall at 20 selected stations was 1.3 inches. The greatest monthly precipitation was 3.04 inches, at Culvers Lake, and the least, 0.40 inch at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 0.68 inch at Dover on the 4-5th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +1.30 inches; Red Sandstone Plain, +0.24 inch; Southern Interior, —0.65 inch; Sea Coast,—3.87 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 7, 8, 24, 25.
SLEET: 15, 20, 23, 24, 25.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.10	30.60	19	29.41	15	16.7	43	w.	16	70	55	63	60
Long Branch	30.06	30.63	6	29.36	15	14.2	48	nw.	18	70	54	63	57
Ridgefield	30.06	30.62	6	29.39	15	....	....	..	....	....	....	....	....
Sandy Hook	30.05	30.61	6	29.39	15	16.8	53	nw.	18	76	63	70	58
Trenton	30.07	30.63	18	29.41	15	10.8	32	nw.	16	70	51	60	55

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	....	.....	.....	.....	.....
1886	44.5	73	17	4.49	....	.....	.....	.....	.....
1887	41.5	72	13	1.94	....	6	.....	.....	.....
1888	45.8	77	8	3.97	....	10	.....	.....	.....
1889	45.7	69	13	8.48	....	13	.....	.....	.....
1890	43.8	74	11	0.82	....	8	13	12	5
1891	42.2	70	6	2.39	....	4	12	10	8
1892	41.9	71	12	7.29	....	11	8	9	13
1893	41.8	70	11	3.48	....	7	10	11	9
1894	40.3	76	11	3.34	....	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0.96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T.	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
Period	43.6	83	1	3.18	1.1	8	12	8	10

Climatological Data for November, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	38.6	−2.8	77	3	14	30	29	2.13	−1.06	0.50	2.5	6	15	5	10	.....	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	39.2	−1.2	76	3	10	25	37	1.68	−1.94	0.38	4.0	9	18	0	12	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	......	......	....	3.04	−0.06	0.60	3.4	9	28	1	1	e.	Brice E. Riker.
Dover	Morris	600	52	38.0	−2.4	73	3	13	28†	32	1.59	−1.96	0.68	5.0	7	5	10	15	......	William C. Harris
Layton	Sussex	480	35	35.6	−3.7	70	4	3	28	32	1.86	−1.21	0.60	3.0	7	5	8	17	nw.	A. M. Depue.
Newton	Sussex	769	53	36.8	−4.0	76	3	11	19†	28	1.65	−1.42	0.43	3.0	10	5	6	19	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	38.6	−3.2	73	3	18	19†	36	2.12	−0.71	0.49	1.5	5	14	4	12	......	Town Engineer.
Sussex	Sussex	442	41	38.5ᵃ	−2.7	77	3	9	25	31	2.33	−0.49	0.54	2.2	7	12	10	8	......	A. J. W. Mowatt
Means and extremes	......	......	....	37.9	−2.9	77	3	3	28	37	2.05	−1.11	0.68	3.1	8	13	5	12	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	39.2	−2.0	74	3	10	28	33	1.24	−1.77	0.40	......	5	18	0	12	nw.	John Kline.
Canoe Brook	Essex	173	6	38.6	......	75	3	8	28	37	1.08	....	0.36	......	8	13	13	4	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	1.00	−2.44	0.32	2.0	7	12	10	8	.....	Paul Molitor, Sr.
Elizabeth	Union	45	57	41.9	−1.9	75	3	15	28	30	1.12	−1.80	0.36	2.2	10	14	9	7	w.	Union County Park Comm.
Flemington	Hunterdon	140	§50	41.1	−2.2	76	3	16	28	34	1.11	−1.84	0.28	1.5	5	18	5	7	sw.	Hiram E. Deats
Jersey City	Hudson	10	38	42.5	−2.0	74	3	16	30	28	1.09	−1.91	0.43	1.9	9	9	11	10	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	49	38.6	−4.5	75	3	13	30	29	0.99	−2.01	0.37	0.8	8	18	6	6	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	40.8	−1.2	76	3	12	28	34	1.26	−2.14	0.40	2.5	5	17	4	9	nw.	Passaic Valley Water Co
Newark	Essex	10	....	41.4	−2.3	76	3	17	30	30	0.94	−2.49	0.35	2.0	6	8	11	11	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	41.5	−2.1	75	3	15	28	29	0.99	−1.85	0.39	T.	7	16	5	9	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	1.16	−2.05	0.35	......	6	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	66	41.7	−2.0	75	3	17	19†	26	1.15	−1.97	0.39	3.0	8	19	5	6	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	40.8	−1.8	76	3	16	28	35	1.04	−2.01	0.38	1.8	8	14	4	12	nw.	S. K. Pearson.
Ridgefield	Bergen	80	19	40.4	−1.4	75	3	15	30	30	1.12	−1.65	0.37	3.0	7	12	9	9	nw.	George P. Kirsten.
Somerville..(near)	Somerset	385	53	39.9	−2.8	75	3	13	19	29	1.21	−1.76	0.36	3.0	5	11	8	11	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	1.08	−1.95	0.34	......	6	....	....	..	.....	Hackensack Water Co.
New York, N.Y.	......	10	66	42.4	−1.8	73	3	16	30	30	1.06	−1.90	0.41	1.8	9	10	10	10	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	40.6	−2.2	76	3	8	28	37	1.10	−1.98	0.43	2.0	7	14	7	9	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	43.1	−1.3	79	4	10	19†	38	1.18	−1.36	0.30	2.0	6	15	8	7	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	42.2	−3.5	75	3	11	30	35	0.80	−1.80	0.38	T.	5	14	5	11	sw.	Bennett K. Matlack
Burlington	Burlington	12	§50	44.0	−0.7	79	3†	14	19	33	0.95	−2.03	0.39	T	6	17	4	9	nw.	Public Service G. & E. Co.
Camden	Camden	20	4	42.8	......	79	4	18	30	31	0.83	....	0.40	T.	5	13	7	10	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	41.7	......	77	4	14	28	32	1.05	−2.97	0.35	T.	4	23	3	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	43.7	......	80	4	12	19	34	0.85	−2.19	0.34	0.2	7	12	13	5	nw.	J. G. Wilson.
Hightstown	Mercer	110	43	41.4	−2.1	75	3	16	19	30	0.98	−1.93	0.40	0.1	7	14	10	6	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	42.4	−1.1	77	4	9	19	35	0.97	−2.03	0.57	T.	5	9	12	9	nw.	James M. Armstrong.
Lakewood	Ocean	54	32	42.4	−0.8	77	4	13	19	32	1.01	−2.08	0.48	T.	5	13	9	8	nw.	R. W. Holman.
Maple Shade	Burlington	65	1	42.2	......	78	4	17	19	34	0.96	....	0.43	T.	5	8	11	11	nw.	Richard J. Smith.
Moorestown	Burlington	62	73	41.9	−1.0	77	4	17	19	30	0.94	−1.97	0.46	T.	5	10	12	8	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	0.69	−2.02	0.30	0.5	7	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	43.5	......	79	4	15	19	32	0.92	....	0.35	0.1	8	20	3	7	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	42.6	......	73	4	12	28	39	0.79	−2.03	0.46	......	6	20	3	7	nw.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	39.4	......	75	3	6	28	49	1.22	−1.96	0.49	......	4	22	3	5	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	41.2	−3.2	75	3	16	30	30	0.75	−1.98	0.30	0.2	6	13	8	9	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	0.77	....	0.32	T.	5	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	44.0	−0.7	74	4	10	19	35	0.40	−2.60	0.12	T	6	17	10	3	nw.	John H. Brown.
Philadelphia, Pa.	......	26	65	43.5	−2.2	77	4	20	19	30	0.69	−2.01	0.38	T.	5	10	10	10	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	42.4	−1.6	80	4	6	28	49	0.89	−2.07	0.57	0.2	6	15	8	7	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	45.1	−0.5	67	4	18	19	29	0.67	−2.15	0.44	0.1	7	9	6	15	w.	U. S. Weather Burean.
Long Branch	Monmouth	25	28	42.4	−1.8	77	3	17	28	31	1.12	−2.44	0.54	0.1	7	9	7	14	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	43.1	−2.7	73	3	20	18	28	1.19	−2.06	0.49	T.	6	9	8	13	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	43.5	−1.7	77	3	17	28	31	0.99	−2.22	0.54	0.1	7	9	7	14	nw.	
For the State	......	......	....	41.1	−2.5	80	4	3	28	49	1.18	−2.00	0.68	1.3	6	14	7	9	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-1-7-37-900

Daily Precipitation for November, 1936

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware		T.	.25	.50	.43			.50				T.			.16									.29	T.							2.13
Charlotteburg	Passaic		.04		.36	.37		.03	.14	.24						*	.12								.38								1.68
Culvers Lake	Delaware				.40	.50		.50	.60	.10						.50	.02						.02			.40	T.						3.04
Dover	Passaic				.35	.33		.03	.38							.13							T.		.30	.07			T.				1.59
Layton	Delaware		.10	.02	.41	.60			.33	T.						.07	T.								.33								1.86
Newton	Delaware	.01	.05	T.	.43	.40		.03	.39	.02						.05	.05						T.		.22		T.		T.				1.65
Phillipsburg	do	T.	T.	T.	.48	.40	.49		.49				T.		T	T.								T.	.26	T.							2.12
Sussex	Hudson		.54		.52	.51		.01	.23							.30									.22								2.33
The Red Sandstone Plain.																																	
Boonton‖	Passaic		T.		.21	.40				.30								T.							.31		.02						1.24
Canoe Brook‖	do	T.		.01	.10	.26		.01	T.	.36							.01				T.				.31		.02			T.			1.08
Chatham‖	do		.04	T.	.09	.24		T.	.01	.32							T.								.24	.06							1.00
Elizabeth	Coast	.01	.01		.03	.16		.02	.27	.14							.01				T.				.36		.11		T.	T.			1.12
Flemington	Raritan	T.	T.		.25	.24		T.	.23	.11						T.	T.								.28	T.			T.				1.11
Jersey City	Coast	T.	.01		.08	.14		.01	.43						T.	.04	T.				.01		T.	T.	.32	.05	T.		T.	T.			1.09
Lambertville	Delaware		T.		.05	.26			.37	.03						T.	.02								.23	.02	.01						0.99
Little Falls.‖	Passaic				.13	.37				.40						T.									.28		.08						1.26
Newark***	Coast	T.	.01		.01	.12		T.	.35						T.	T.	T.							T.	.35	.10			T.	T.			0.94
New Brunswick	Raritan				.06	.15			.20	.16							.01								.39		.02		T.				0.99
New Milford**	Hackensack		.05		.08	.33			.35															.30		.05							1.16
Paterson	Passaic		T.		.12	.29	.01	T.	.39	.02						T.	.03						T.		.26	T.	.03		T.				1.15
Plainfield	Raritan		T	T.	.02	.21		.01	.38						T.	.03	T.				T.		T.		.36	.02	.01		T.				1.04
Ridgefield**	Hackensack	T.	.01		.07	.25		T.	.37							.04					T.		T		.35	.10			T.	T.			1.19
Somerville	Raritan	T.			.14	.31			.25	.15						T.	T.								.36		T.		T.				1.21
Woodcliff Lake**	Hackensack				.09	.31			.34								.02							.28		.04							1.08
New York, N. Y***	Coast	T.	.01	T.	.07	.14		.01	.41						T.	.04	T.				.01			T.	.32	.05	T.		T.	T.			1.06
The Southern Interior.																																	
Belleplain	Tuckahoe	T.				.15			.23	.30			T.	.10			.20								.20		T.						1.18
Bridgeton	Delaware				.13				.38				.08			.07								.14									0.80
Burlington	Delaware				.04	.22			.39	.09							T								.17	.04		T.					0.95
Camden**	do	T.			.18	.02			.40				T.			T.								T.	.15	.08							0.83
Freehold	Raritan					.16		T.	.35	.26							T.								.28				T				1.05
Hammonton	Mullica					.05	T.		.34	.18				.05		.04	T.								.18	.01	T.		T.				0.85
Hightstown	Raritan	T.	T	T.	.07	.20	T.	T.	.25	.15						T.	T.						T.		.29	.01	.01		T.				0.98
Indian Mills	Mullica					.10			.33	.24				.04			T.									T.	.26						0.97
Lakewood	Metedeconk							T.	.48	.17				.03			T.								.27		.06		T.				1.01
Maple Shade‖	Delaware	T.		.06	.24				.43				T.			T.	T.							.16		.07			T.				0.96
Moorestown‖	do			.08	.19	T.			.46	T.						T.	T.							.15	T.	.06		T.					0.94
Northfield	Coast		T.			.05			.30	.11				.03		T.	.04								.14		.02						0.69
Pemberton	Delaware				.03	.12			.18	.35							.02								.17	.02	.03						0.92
Pleasantville‖	Coast					.05		T.		.46				.01			.05								.17		.05						0.79
Runyon	Coast					.35			.07	.42															.38								1.22
Trenton***	Delaware	T.	T.		.09	.15	T.		.30						T.	T.							T.	.01	.19	.01			T.	T.			0.75
Trenton No. 2**	do	T.	T.		.06	.19	T.		.32							T.	T							T.	.19	.01							0.77
Tuckerton	Coast					.06			.12					.08		.02	.03									.09							0.40
Phila., Pa***	Delaware	T.			.06	.11			.38							T.	T.							T.	.11	.03		T		T.			0.69
The Sea Coast.																																	
Atlantic City***	Coast	T.				.02		T.	.44				.03			.02	T.							.06	.06	.03							0.67
Long Branch**	do				.03	.03		.02	.54				T		T.	.04									.31	.15	T.		T.				1.12
Sandy Hook***	do		T		.09	.05	T.	T.	.49							.04					T.			T.	.42	.10			T.	T			1.19

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.032	.040	.026	.052	.036	.064	.010	.000	.008	.048	.064																					
	Wind movement.	16	22	30	43	13	13	7	0	6	11	31																					
Pleasantville**	Evaporation	.112	.080	.096	.130	.096	.096	.016	.012	.096	.064	.064	.010	.048	.080	.050	*	*	*	*	*	*	*	*	*	*	.220	*	*	*	*		1.270
	Wind movement.	58	94	67	165	95	68	23	4	80	80	23	27	52	111	62	155	80	158	76	71	87	69	43	39	72	55	38	123	*	174		2221
Runyon	Evaporation	.090	.100	.100	.080	.050	.060	.060	.070	.020	.040	.060	.060	.080	.080	.030	.080	.060															
	Wind movement.	90	95	85	52	27	23	36	21	29	40	28	28	48	40	52	128	144	44	87	75	80	42	56	40	47	42	35	47	43	26		1630

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for November, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	62	65	77	70	48	43	53	51	50	48	47	44	50	54	50	38	43	41	36	50	58	49	38	38	40	36	30	32	40	32	....	47.1
	Minimum	36	47	62	46	38	29	42	45	35	34	22	23	27	25	32	29	26	25	15	28	33	36	23	25	17	29	18	16	28	14	....	30.1
Charlotteburg	Maximum	65	69	76	74	60	49	50	49	56	54	52	50	51	53	50	45	49	48	38	50	59	51	36	38	44	42	36	32	42	40	....	50.3
	Minimum	28	47	48	44	37	37	40	46	33	32	19	17	27	22	36	25	20	22	12	25	39	32	20	25	10	28	16	14	27	17	....	28.2
Dover	Maximum	62	66	73	67	53	47	47	49	49	47	50	46	52	53	50	37	45	47	37	47	57	47	37	37	44	39	30	31	41	34	....	47.4
	Minimum	34	49	59	45	34	28	42	44	33	28	22	22	31	23	32	21	25	15	15	27	39	32	21	20	14	36	14	13	26	13	....	28.6
Layton	Maximum	65	62	67	70	44	47	51	47	52	42	44	45	50	54	50	37	45	48	37	43	50	60	46	37	35	35	29	30	40	29	....	46.4
	Minimum	33	45	53	41	25	21	40	41	30	29	16	16	22	21	29	25	21	16	9	27	30	30	19	22	7	27	9	3	27	12	....	24.9
Newton	Maximum	62	65	76	69	46	45	49	49	51	45	47	44	50	44	51	36	44	39	37	47	58	48	34	36	38	38	30	30	38	31	....	46.2
	Minimum	37	46	55	41	34	26	39	43	32	31	19	25	28	26	32	24	21	15	11	24	34	30	20	20	16	25	14	11	27	15	....	27.4
Phillipsburg	Maximum	60	65	73	67	48	48	48	48	48	47	46	43	50	53	48	37	46	56	32	50	56	47	35	36	40	35	28	31	39	30	....	46.3
	Minimum	41	49	56	47	38	38	36	40	36	32	25	25	32	25	33	30	23	20	18	29	31	33	25	24	21	26	20	18	30	19	....	30.8
Sussex	Maximum	62	65	77	71	46	50	50	51	....	53	50	44	50	54	52	42	46	48	40	48	57	51	43	36	40	37	30	30	38	34	....	48.1
	Minimum	37	47	55	44	38	29	41	44	....	32	21	24	28	27	33	27	24	21	13	27	35	34	22	23	9	29	17	10	28	19	....	28.9
The Red Sandstone Plain.																																	
Boonton§§	Maximum	62	67	74	63	50	50	47	52	52	52	50	48	53	56	52	40	49	37	38	52	59	45	44	40	44	38	34	40	43	38	....	49.0
	Minimum	34	42	52	57	40	39	37	43	37	31	23	21	27	23	25	30	27	29	17	20	33	37	24	25	15	26	18	10	20	22	....	29.5
Canoe Brook§§	Maximum	64	71	75	65	56	52	48	53	53	51	52	48	55	57	53	48	49	36	40	53	60	45	38	41	44	37	35	38	45	29	....	49.7
	Minimum	30	44	53	55	38	22	40	42	31	28	17	18	20	20	29	30	22	33	14	24	31	35	22	24	12	26	16	8	23	20	....	27.6
Elizabeth	Maximum	65	74	75	72	53	53	50	55	53	52	50	49	57	58	56	39	47	49	39	53	62	53	38	42	51	46	33	35	45	34	....	51.3
	Minimum	35	48	58	48	41	35	43	45	35	35	25	33	34	37	36	30	25	25	17	27	35	37	25	28	23	30	20	15	27	23	....	32.5
Flemington	Maximum	62	71	76	72	51	48	55	52	56	53	56	49	55	57	54	41	50	48	43	55	61	53	44	42	45	43	35	34	46	34	....	51.4
	Minimum	31	47	56	50	39	28	44	42	34	33	22	24	35	24	37	30	26	24	17	27	36	36	25	27	19	28	19	16	26	22	....	30.8
Jersey City	Maximum	60	71	74	66	56	52	50	54	54	51	51	51	56	59	53	39	48	49	40	53	60	48	40	41	51	44	33	38	43	29	....	50.5
	Minimum	45	52	62	50	42	38	46	45	40	34	29	36	41	37	34	29	28	21	18	31	40	35	27	30	33	28	21	21	27	16	....	34.5
Lambertville	Maximum	62	71	75	58	49	49	53	50	52	48	50	49	54	57	53	48	52	43	32	44	48	42	39	46	50	40	36	32	42	29	....	48.4
	Minimum	38	49	53	47	35	29	38	42	34	33	24	31	30	29	34	28	25	14	16	24	26	20	18	24	29	24	18	14	27	13	....	28.9
Little Falls§§	Maximum	61	72	76	67	56	51	48	54	54	51	53	48	57	59	54	49	45	36	41	53	63	51	43	42	46	38	36	44	43	36	....	50.9
	Minimum	36	48	57	54	40	29	40	44	36	33	23	23	29	25	32	30	23	31	17	24	33	36	24	26	18	29	19	12	26	22	....	30.6
Newark	Maximum	63	72	76	67	50	54	48	55	51	51	50	49	55	58	53	39	48	49	38	53	60	45	38	42	51	42	29	35	43	29	....	49.8
	Minimum	41	52	61	48	37	34	44	47	38	33	29	31	39	31	35	30	26	19	19	29	39	33	26	27	25	28	22	18	29	17	....	32.9
New Brunswick	Maximum	60	72	75	71	52	49	48	55	51	50	50	50	54	58	55	48	48	49	36	55	60	53	38	39	53	47	31	34	42	35	....	50.6
	Minimum	38	48	61	48	40	32	44	44	37	36	25	29	37	29	35	30	25	25	16	27	36	34	25	30	24	31	20	15	29	22	....	32.4
Paterson	Maximum	65	71	75	72	51	51	48	53	52	50	52	50	54	56	53	41	47	49	38	52	61	50	37	41	45	44	32	33	43	36	....	50.1
	Minimum	39	50	58	47	41	33	44	45	37	37	27	29	39	33	40	29	24	26	17	30	39	36	25	27	24	32	20	17	32	22	....	33.3
Plainfield	Maximum	60	71	76	64	52	51	48	54	55	52	52	48	56	60	54	39	49	48	40	55	61	49	41	41	51	48	34	34	45	29	....	50.6
	Minimum	44	48	56	48	40	30	44	44	37	34	25	26	32	25	33	29	23	21	17	26	34	34	25	28	23	28	19	16	26	17	....	31.1
Ridgefield	Maximum	66	71	75	65	52	52	48	55	55	50	50	50	56	58	54	36	47	49	35	52	61	40	36	39	45	38	28	33	43	27	....	48.9
	Minimum	39	51	62	48	38	34	45	44	37	31	26	31	36	33	36	28	25	19	17	28	38	30	25	26	23	28	18	18	25	15	....	31.8
Somerville	Maximum	63	69	75	69	50	48	49	51	52	51	50	46	55	57	45	40	47	47	38	52	59	48	38	38	49	42	31	32	43	33	....	48.9
	Minimum	38	49	60	46	38	27	42	42	39	35	22	32	38	40	29	29	23	21	13	23	26	33	22	23	23	24	17	14	28	20	....	30.9
New York, N. Y.	Maximum	60	70	73	66	58	53	50	54	52	50	50	51	55	57	52	38	48	48	39	52	59	47	39	41	52	42	32	38	42	29	....	49.9
	Minimum	46	54	63	50	42	40	47	46	41	32	30	37	43	38	34	28	28	18	18	31	42	35	27	31	36	28	22	21	27	16	....	35.0
The Southern Interior.																																	
Belleplain	Maximum	63	75	76	79	69	55	62	58	57	55	52	55	52	61	56	41	53	50	39	54	66	60	45	49	52	51	33	42	47	35	....	54.7
	Minimum	30	50	60	64	39	32	45	38	35	35	20	25	42	23	39	31	29	27	10	25	39	34	27	24	25	30	16	10	24	16	....	31.5
Bridgeton	Maximum	65	72	75	74	55	55	62	55	61	51	59	55	57	53	51	46	50	43	35	56	65	37	40	44	49	38	29	40	43	35	....	51.7
	Minimum	52	57	59	39	35	40	41	37	38	25	30	39	39	40	31	30	38	15	17	35	36	30	33	29	30	19	18	27	21	11	....	32.7
Burlington	Maximum	65	76	79	79	55	50	55	54	54	51	51	51	50	60	64	57	53	49	40	55	62	63	50	43	52	60	42	36	43	41	....	54.7
	Minimum	35	50	62	54	40	33	45	40	39	37	28	29	37	27	32	36	24	30	14	28	37	38	29	30	26	30	23	17	28	25	....	33.4
Camden	Maximum	63	75	76	79	48	49	57	55	52	52	52	52	58	59	54	40	52	48	37	54	64	45	40	43	50	39	32	37	43	33	....	51.3
	Minimum	44	53	64	48	38	35	44	42	40	37	29	29	40	31	33	35	33	19	19	31	41	35	32	28	27	29	23	21	31	18	....	34.3
Freehold	Maximum	61	75	76	77	68	51	49	56	53	50	50	52	54	59	54	38	49	47	36	54	11	52	38	41	52	47	31	35	43	32	....	51.4
	Minimum	33	50	60	52	39	35	46	40	35	34	23	28	35	27	35	31	24	25	15	27	40	37	25	30	25	29	19	14	26	21	....	32.0
Hammonton	Maximum	64	77	76	80	69	51	61	55	55	53	54	53	55	61	55	41	53	49	38	57	66	53	43	46	52	50	30	38	46	39	....	54.0
	Minimum	35	54	62	65	40	32	43	39	34	37	26	31	40	27	40	32	28	27	12	25	41	39	29	32	25	30	18	15	25	19	....	33.4
Hightstown	Maximum	61	74	75	71	52	49	50	54	52	50	50	50	54	59	53	39	49	48	38	52	60	52	38	40	52	46	31	35	42	33	....	50.3
	Minimum	36	49	61	49	40	30	45	39	34	36	24	29	34	29	37	31	26	26	16	28	39	35	26	29	23	31	20	17	30	23	....	32.4
Indian Mills	Maximum	63	75	76	77	72	48	58	52	55	52	53	53	53	59	55	55	50	48	37	58	64	55	41	44	48	48	32	36	46	36	....	53.3
	Minimum	32	52	60	64	39	39	43	37	35	33	24	24	37	25	33	32	24	29	9	23	40	39	29	32	24	30	14	10	22	16	....	31.6
Lakewood	Maximum	63	75	75	77	67	52	55	56	54	52	49	55	55	58	55	40	50	47	36	56	63	52	38	41	51	47	32	36	43	33	....	52.1
	Minimum	34	54	62	55	41	34	45	41	38	35	23	26	38	26	37	32	24	28	13	27	37	37	27	30	22	30	17	15	30	20	....	32.6
Maple Shade	Maximum	62	75	76	78	50	50	56	54	52	52	51	47	55	60	53	40	52	40	37	55	62	41	41	43	50	37	32	38	44	34	....	50.6
	Minimum	35	51	58	63	40	32	42	42	38	38	26	29	36	30	33	33	28	34	17	21	36	39	29	30	27	31	24	19	28	24	....	33.8
Moorestown	Maximum	63	75	76	77	48	49	57	54	51	52	50	51	54	59	52	40	52	50	36	55	62	48	40	43	50	38	30	38	43	33	....	50.9
	Minimum	37	52	63	47	36	32	42	40	38	36	27	29	36	30	36	33	26	21	17	28	40	38	29	30	27	29	19	18	27	24	....	32.9
Pemberton	Maximum	64	76	78	79	69	50	59	54	54	51	53	53	56	60	54	42	53	48	38	56	63	52	43	44	51	47	35	36	45	34	....	53.2
	Minimum	36	53	61	58	40	34	43	42	36	37	25	29	37	28	39	33	24	29	15	27	40	38	28	33	26	35	22	17	26	22	....	33.8
Pleasantville§§	Maximum	64	70	71	73	66	54	57	57	54	54	51	51	56	58	56	47	53	53	45	57	67	44	49	49	51	47	33	41	47	39	....	53.8
	Minimum	31	54	58	61	40	36	44	37	38	34	24	23	40	23	23	30	27	34	13	18	36	38	27	33	22	31	15	12	28	14	....	31.5
Runyon	Maximum	72	73	75	72	62	54	56	54	52	52	52	50	62	67	60	37	47	42	40	50	61	50	40	38	42	38	34	27	34	30	....	50.8
	Minimum	23	46	60	40	38	26	40	50	50	24	20	18	21	19	28	31	22	22	10	22	49	34	24	25	24	18	14	6	26	13	....	28.1
Trenton	Maximum	61	73	75	68	47	49	52	53	52	50	51	51	52	58	52	39	50	48	36	53	60	46	38	40	51	38	30	36	42	30	....	49.4
	Minimum	40	53	62	47	37	34	44	41	38	34	29	34	41	33	30	32	28	18	17	29	40	34	28	29	29	27	22	19	29	16	....	33.1
Tuckerton	Maximum	70	70	70	74	65	55	60	55	62	60	57	53	60	62	58	50	58	45	40	60	60	50	48	40	48	35	35	55	50	38	....	54.8
	Minimum	40	50	60	58	40	35	40	45	35	35	25	35	40	32	40	32	25	30	10	25	40	35	30	32	25	15	12	32	30	15	....	33.3
Philadelphia, Pa.	Maximum	61	72	76	77	51	50	58	55	52	51	50	52	56	59	55	39	52	50	36	54	61	45	43	43	50	39	31	38	42	35	....	51.1
	Minimum	44	55	63	48	40	38	47	44	43	36	33	39	43	37	32	35	33	20	20	31	41	35	30	32	33	29	23	32	32	20	....	35.9
The Sea Coast.																																	
Atlantic City	Maximum	62	66	67	67	65	54	57	57	56	54	48	55	58	58	56	41	52	50	36	55	64	47	48	53	51	42	33	43	48	36	....	52.6
	Minimum	53	57	60	61	40	41	46	46	42	36	31	46	41	39	32	32	33	21	18	35	47	35	33	39	42	28	23	23	29	20	....	37.6
Long Branch	Maximum	63	75	77	73	52	51	50	57	52	50	50	54	56	58	54	38	51	49	38	56	62	49	37	41	52	43	30	36	43	30	....	50.9
	Minimum	43	55	63	53	41	41	46	45	40	32	27	32	41	31	32	30	26	18	18	31	44	34	28	29	26	25	20	17	30	18	....	33.9
Sandy Hook	Maximum	60	69	73	65	65	51	50	55	51	51	50	51	55	56	58	40	48	48	35	51	56	46	37	41	51	43	30	37	43	30	....	49.7
	Minimum	44	53	62	51	43	41	47	48	42	34	32	40	44	40	36	32	31	20	20	31	43	35	29	34	34	29	25	23	30	21	....	36.5

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

H. O. GEREN.
TRENTON, N. J.

VOL. XLI. DECEMBER, 1936. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month as a whole was characterized by warm weather, the exceptions being on the 1st, the period from the 7th to 9th, inclusive and the 22-23d. The average placed the month among the warmest Decembers, there being only six which were warmer in the 52 years of record. The maximum temperatures occurred on the 26th and were mostly in the high fifties or low sixties, while the minimum temperatures, mostly from 5 to 12 degrees, came on the 1st. There was only one station reporting a sub-zero temperature, this was Layton which recorded —3 degrees on the 1st. The last week of the month was considerably above the normal.

The precipitation was frequent and quite heavy, this being the third wettest December in 52 years, only being surpassed by the amounts measured in 1901 and 1902. Precipitation was practically all in the form of rain, the only exception being the snow which fell on the 2d and 19th in the northern portion of the State. The various subdivisions experienced the following percentages of their normal amounts: The Highlands, 156%; Red Sandstone Plain, 181%; Southern Interior, 162%; Sea Coast, 194%; State, 172%. F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 37.5°, which was 3.8° above normal. The highest temperature was 67° at Charlotteburg on the 26th, and the lowest, —3° at Layton on the 1st. The greatest daily range of temperature was 42° at Dover on the 26th. The highest monthly mean temperature was 41.2° at Atlantic City, and the lowest, 32.2° at Layton.

The temperature departure from the normal for the year 1936, to date, by sections, is: The Highlands, +0.7°; Red Sandstone Plain, +0.6°; Southern Interior, +0.4°; Sea Coast, +0.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 6.29 inches, which was 2.64 inches above normal. The average total snowfall at 20 selected stations was 0.6 inch, which was 5.1 inches below normal. The greatest monthly precipitation was 8.87 inches, at Long Branch, and the least, 3.21 inches at Newton. The greatest amount of precipitation in any 24 consecutive hours was 2.73 inches at Little Falls on the 19-20th.

The precipitation accumulated departure from the normal for the year 1936, to date, by sections, is: The Highlands, +3.29 inches; Red Sandstone Plain, +3.21 inches; Southern Interior, +1.66 inches; Sea Coast, —0.08 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 6, 9, 10, 11, 16, 17, 29, 30, 31.
SLEET: 2, 6, 7, 9, 12, 19.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.27	30.72	23	29.56	20	17.7	51	se.	19	77	69	73	39
Long Branch	30.26	30.75	23	29.45	20	12.4	42	se.	19	82	68	76	48
Ridgefield	30.25	30.71	23	29.46	20	....	....	....	....	....	....	....	....
Sandy Hook	30.24	30.72	23	29.47	20	16.2	46	s.	31	81	70	77	45
Trenton	30.26	30.75	23	29.46	20	10.4	29	e.	19	78	65	72	51

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	**41.5**	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	**1.48**	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	**7.30**	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	**21.1**	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	**72**	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	0	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	**24.8**	54	**−21**	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	**72**	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
Period	33.7	72	−21	3.65	5.7	9	12	9	10

Climatological Data for December, 1936

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	35.4^{b}	+4.6	58	26	8	1	22	6.68	+2.77	1.00	4.0	12	15	6	10	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	44	34.7	+4.6	67	26	5	1	32	7.43	+3.43	2.90	1.5	12	17	1	13	e.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	35	......	......	......	......	......	......	....	4.00	+0.66	1.00	2.0	8	9	10	12	n.	Brice E. Riker.
Dover	Morris	600	52	33.9	+3.8	57	27	6	1	42	6.73	+2.55	1.69	1.5	13	9	9	13	......	William C. Harris
Layton	Sussex	480	35	32.2	+4.1	63	26	−3	1	32	4.22	+0.85	1.46	0.5	11	9	5	17	ne.	A. M. Depue.
Newton	Sussex	769	53	33.2	+3.0	56	28	3	1	28	3.21	−0.20	0.48	4.0	12	13	6	12	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§53	35.1	+3.6	57	26	10	1	24	7.31	+3.88	1.60	3.7	11	15	1	15	......	Town Engineer.
Sussex	Sussex	442	41	34.0^{b}	+4.1	62	26	5	1	31	4.74	+1.77	1.12	1.5	11	11	5	14	......	A. J. W. Mowatt
Means and extremes	......	......	....	34.1	+4.0	67	26	−3	1	42	5.54	+1.99	2.90	2.3	11	12	6	13	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§46	35.4	+6.1	62	26	8	1	40	5.59	+1.89	2.25	.....	9	4	3	24	ne.	John Kline.
Canoe Brook	Essex	173	6	34.7	....	64	26	4	1	37	6.32	....	2.27	......	11	14	6	11	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	32	......	......	......	......	......	......	....	5.94	+1.77	1.96	......	11	16	4	11	......	Paul Molitor, Sr.
Elizabeth	Union	45	57	38.2	+4.6	63	26	12	1	29	6.77	+2.85	1.43	T.	12	18	1	12	e.	Union County Park Comm.
Flemington	Hunterdon	140	§50	37.6	+5.1	66	26	7	1	32	6.23	+2.57	1.54	1.0	12	15	5	11	nw.	Hiram E. Deats
Jersey City	Hudson	10	38	39.2	+4.7	63	26	12	1	25	7.34	+3.69	1.72	T.	13	9	9	13	n.	S. K. Pearson.
Lambertville	Hunterdon	430	49	37.0	+3.5	62	26	5	1	35	7.66	+3.96	2.05	1.0	12	19	1	11	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§33	37.4	+5.0	66	26	8	1	35	6.47	+2.53	2.73	0.5	10	12	6	13	w.	Passaic Valley Water Co
Newark	Essex	10	....	38.0	+4.6	64	26	12	1	29	6.63	+2.76	1.60	0.5	14	7	11	13	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	83	37.4	+4.0	62	26	9	1	28	6.84	+3.30	1.33	T.	13	13	8	10	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	18	......	......	......	......	......	......	....	6.18	+3.18	1.42	......	14	....	..	....	......	Hackensack Water Co
Paterson	Passaic	180	66	37.8	+4.7	65	26	10	1	28	6.37	+2.42	2.03	0.6	11	17	5	9	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	48	37.8	+5.0	64	26	11	1	30	7.67	+3.80	1.99	0.6	14	12	5	14	n.	S. K .Pearson.
Ridgefield	Bergen	80	19	37.0	+5.7	62	26	11	1	26	7.41	+3.60	2.28	0.4	14	11	8	12	nw.	George P. Kirsten.
Somerville..(near)	Somerset	385	53	36.2	+3.7	64	26	4	1	33	6.63	+2.92	1.49	1.0	12	15	5	11	ne.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	18	......	......	......	......	......	......	....	6.25	+3.26	1.58	......	13	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	66	39.2	+4.2	62	26	12	1	27	7.03	+3.41	1.80	T.	13	9	9	13	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	37.2	+4.7	66	26	4	1	40	6.64	+2.97	2.73	0.5	12	13	6	12	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	42	39 6	+4.5	65	27	8	1	35	6.72	+2.72	2.06	0	11	8	11	12	n.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	53	39.0	+2.9	64	27	17	22	31	4.79	+1.09	1.26	T.	10	12	3	16	nw.	Bennett K. Matlack
Burlington	Burlington	12	§50	39.2	+4.3	64	28	10	1	30	4.64	+0.69	1.30	0	12	14	2	15	nw.	Public Service G. & E. Co.
Camden	Camden	20	4	38.4	....	62	27	13	1	28	4.82	....	1.52	0.2	11	10	5	16	ne.	Central Airport, Inc.
Freehold	Monmouth	194	¶32	38.6	....	63	27	7	1	28	7.50	+3.98	1.76	0	11	18	0	13	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§30	39.9	....	65	27	10	1	30	6.75	+2.77	2.00	0	12	11	9	11	ne.	J. G. Wilson.
Hightstown	Mercer	110	43	37.7	+4.9	60	26†	9	1	28	5.82	+2.28	1.49	T.	13	14	6	11	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	47	38.4	+4.4	66	26	6	1	35	5.66	+1.55	1.51	0	11	9	6	16	sw.	James M. Armstrong.
Lakewood	Ocean	54	32	39.3	+5.4	65	27	10	1	26	5.74	+1.55	1.42	T.	13	9	7	15	nw.	R. W. Holman.
Maple Shade	Burlington	65	1	37.9	......	64	26	11	1	36	6.07	....	1.50	T.	12	7	9	15	sw.	Richard J. Smith.
Moorestown	Burlington	62	73	38.8	+5.1	63	26	11	1	32	5.77	+2.00	1 50	T.	9	12	6	13	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	29	......	......	......	......	......	......	....	7.04	+3.27	1.80	0	12	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	6	39.8	....	64	27	11	1	30	5.64	....	1.39	T.	11	16	2	13	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§38	39.6	....	66	27	12	1	37	7.34	+3.41	2.00	......	12	17	2	12	n.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	13	35.6	....	61	25†	5	1	35	6.64	+3.30	1.45	......	8	16	5	10	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	64	37.9	+3.5	61	26	11	1	28	5.44	+2.09	1.38	1.0	13	13	6	12	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	6	......	......	......	......	......	......	....	6.65	....	1.51	T.	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	43	40.4	+5.2	64	28	9	1	32	5.97	+1.64	1.23	T.	13	11	9	11	ne.	John H. Brown.
Philadelphia, Pa.	......	26	65	39.6	+3.3	62	26	15	1	26	4.83	+1.40	1.36	0.3	12	9	8	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	38.8	+4.5	66	26†	5	1	37	6.06	+2.31	2.06	0.1	11	12	6	13	n.	
The Sea Coast.																				
Atlantic City	Atlantic	8	63	41.2	+4.8	64	28	15	1	27	7.65	+3.71	2.01	T.	13	4	7	20	nw.	U. S. Weather Bureau.
Long Branch	Monmouth	25	28	39.5	+5.3	65	26†	15	1	26	8.87	+4.72	2.46	T.	13	5	11	15	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	38	39.2	+4.0	60	28	18	1	23	6.97	+2.93	2.01	T.	13	11	6	14	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	40.0	+4.7	65	26†	15	1	27	7.83	+3.79	2.46	T.	13	7	8	16	nw.	
For the State	......	......	....	37.5	+3.8	67	26	−3	1	42	6.29	+2.64	2.73	0.6	12	12	6	13	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia 2-8-37-900

Daily Precipitation for December, 1936

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.92	....	....	....	.73	1.00	....	T.	.02	.78	.16	....	....	....	....	.84	....	.38	.93	....	....	....	....	....	....	.03	....	....	.06	.83	6.68
Charlotteburg	Passaic	....	.68	.40	....	....	.13	.90	....	....	.11	.68	.22	....	....	....	....	.77	....	*	2.90	....	....	....	....	....	....	....	....	....	.09	.55	7.43
Culvers Lake	Delaware	....	.85	.25	....	....	.15	.65	....	T.	T.	T.	T.	....	....	....	....	.55	....	.10	1.00	....	....	....	....	....	....	....	....	....	T.	.45	4.00
Dover	Passaic	....	.85	.05	....	....	.93	.27	....	....	.08	.79	.04	....	....	....	.25	.42	....	.56	1.69	....	....	....	....	....	....	....	T.	....	.12	.68	6.73
Layton	Delaware	....	.54	....	....	....	.06	.45	....	....	.09	.78	.10	....	....	....	....	.20	....	*	1.46	....	....	....	....	....	....	....	....	....	.05	.49	4.22
Newton	Delaware	....	.38	.24	....	....	.48	.23	....	....	.05	.42	.11	T	....	....	....	.43	T.	.13	.20	....	T	....	....	....	T.	....	T.	....	.07	.47	3.21
Phillipsburg	...do	....	1.44	....	....	....	1.60	.39	....	T.	T.	.88	.05	....	....	....	.52	.46	....	.55	.70	....	....	....	....	....	....	T.	T.	....	.12	.60	7.31
Sussex	Hudson	....	.23	.57	....	....	.78	....	....	....	.08	.72	.14	....	....	....	....	.61	....	.05	1.12	....	....	....	....	....	....	....	....	....	.04	.40	4.74
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	....	.04	.84	....	....	....	1.03	....	....	T.	.10	.68	T.	....	....	....	.56	....	....	2.25	....	....	....	....	....	....	....	....	....	.01	.08	5.59
Canoe Brook ‖	....do	....	.15	1.16	....	....	....	1.09	....	....	.08	.11	.69	.02	....	....	....	.64	....	....	2.27	....	....	....	....	....	....	....	T.	....	.02	.09	6.32
Chatham ‖	....do	....	.01	1.17	....	....	....	1.10	....	....	.12	.14	.65	.07	....	....	....	.61	....	....	1.96	....	....	....	....	....	....	....	T.	....	.02	.09	5.94
Elizabeth	Coast	....	.97	.55	....	....	.30	.75	....	....	.22	.58	.37	....	....	....	....	.90	....	.04	1.43	....	....	....	....	....	....	....	*	....	.08	.58	6.77
Flemington	Raritan	....	.61	.34	....	....	.27	.94	....	T.	T.	.57	.23	....	....	....	....	.90	....	.06	1.54	T.	....	....	....	....	....	....	.01	....	.08	.68	6.23
Jersey City	Coast	....	1.12	.28	....	....	.35	.62	....	....	.51	.70	.25	....	....	....	*	1.00	....	.25	1.72	T.	....	....	....	....	T.	....	T.	....	.06	.48	7.34
Lambertville	Delaware	....	.88	.25	....	....	.47	.83	....	....	....	.52	.20	....	....	....	....	2.05	....	.24	1.50	....	....	....	....	....	....	....	.06	....	.10	.56	7.66
Little Falls ‖	Passaic	....	.09	.99	....	....	....	.94	....	....	.11	.15	.69	T.	....	....	....	.62	....	....	2.73	....	T.	....	....	....	....	....	....	....	.02	.13	6.47
Newark***	Coast	....	1.40	.02	....	....	.63	.36	....	....	.30	.80	.09	....	....	....	.36	.50	....	.74	.86	T.	....	....	....	....	T.	....	.02	....	.04	.51	6.63
New Brunswick	Raritan	....	.95	.56	....	....	.30	.94	....	....	.15	.56	.41	.01	....	....	....	.85	....	.03	1.30	T.	....	....	....	....	....	....	....	....	.13	.65	6.84
New Milford**	Hackensack	....	.97	....	....	....	.77	.16	....	....	.38	.73	.04	....	....	....	.33	.21	....	.63	1.42	....	....	....	....	....	.01	....	.02	....	.04	.47	6.18
Paterson	Passaic	....	.60	.53	....	....	.17	.84	....	....	.26	.52	.27	....	....	....	....	.51	....	T.	2.03	....	T.	....	....	....	....	....	T.	....	.02	.62	6.37
Plainfield	Raritan	....	1.70	.07	....	....	.70	.56	....	....	.09	.80	.08	....	....	....	.05	1.00	....	.35	1.64	T.	....	....	....	....	T.	....	.01	....	.04	.58	7.67
Ridgefield**	Hackensack	....	*	1.38	....	....	*	1.03	....	....	.52	*	.89	....	....	....	*	.72	....	*	2.28	.01	....	....	....	....	T.	T.	....	....	.08	.50	7.41
Somerville	Raritan	....	.77	.39	....	....	.33	.87	....	....	....	*	.90	....	....	....	.11	.93	....	.12	1.49	....	....	....	....	....	....	....	....	....	.08	.64	6.63
Woodcliff Lake**	Hackensack	....	1.01	....	....	....	.72	.15	....	....	.34	.68	.06	....	....	....	.32	.17	....	.55	1.58	....	....	....	....	....	....	....	.02	....	.04	.61	6.25
New York, N. Y***	Coast	....	1.35	.01	....	....	.65	.31	....	....	.51	.84	.09	....	....	....	.47	.48	....	.64	1.16	T.	....	....	....	....	T	....	T.	T.	.06	.46	7.03
The Southern Interior.																																	
Belleplain	Tuckahoe	....	.65	T.	....	....	.32	.85	....	....	.33	1.05	.47	.10	....	....	T.	.59	....	.18	1.88	....	....	....	....	....	....	....	T.	....	T.	.30	6.72
Bridgeton	Delaware	.14	.58	....	....	....	1.26	....	....	T.	.31	.83	.14	....	....	....	.30	....	....	.75	....	....	....	....	....	....	....	.03	....	....	....	.45	4.79
Burlington	Delaware	....	.20	....	....	....	.30	1.30	....	....	.05	.05	.32	....	....	....	....	.37	....	.07	1.16	....	....	....	....	....	....	....	.30	....	.02	.50	4.64
Camden**	..do	....	.78	....	....	....	1.10	.42	....	....	T.	.66	.05	....	....	....	.28	.01	....	.70	.13	....	T	....	....	....	....	....	T.	....	.05	.64	4.82
Freehold	Raritan	T.	.83	.44	....	....	.22	1.20	....	....	.46	.56	.43	....	....	....	....	1.06	....	.08	1.76	....	....	....	....	....	....	....	T.	....	....	.46	7.50
Hammonton	Mullica	....	.58	.25	....	....	.30	.97	....	....	.28	1.02	.31	T.	....	....	T.	.55	....	.14	1.86	....	....	....	....	....	....	....	....	....	.06	.43	6.75
Hightstown	Raritan	T.	.51	.58	....	....	.25	1.24	....	....	.12	.49	.39	T.	....	....	....	.52	....	.02	1.17	....	....	....	....	....	....	....	.01	....	.06	.46	5.82
Indian Mills	Mullica	....	.40	.52	....	....	.40	.94	....	....	....	.60	....	....	....	....	T.	.86	....	.05	1.51	....	....	....	....	....	....	....	.02	....	.05	.31	5 66
Lakewood	Metedeconk	T.	.66	.38	....	....	.20	.55	....	....	.50	.70	.45	.06	....	....	....	.55	....	.12	1.30	....	....	....	....	....	....	....	T.	....	.02	.25	5.74
Maple Shade ‖	Delaware	.11	.94	....	....	....	1.50	....	....	T.	.10	.69	.06	....	....	....	.35	....	....	1.40	....	....	....	T	....	....	....	.03	....	.02	.08	.79	6.07
Moorestown ‖	....do	.15	.81	....	....	....	1.50	....	....	T.	.05	.71	....	....	....	....	.38	....	....	1.31	....	....	....	....	....	....	....	.03	....	T	....	.83	5.77
Northfield	Coast	....	.46	.03	....	....	....	.73	....	....	1.31	1.18	.38	.08	....	....	T.	.51	....	.15	1.80	....	....	....	....	....	....	....	.03	....	T.	.38	7.04
Pemberton	Delaware	T.	.44	T.	....	....	.27	1.35	....	....	.12	.61	.38	T.	....	....	....	.65	....	.04	1.35	....	....	....	....	....	....	....	....	....	.01	.42	5.64
Pleasantville ‖	Coast	....	.06	.60	....	....	....	.93	.07	....	1.28	.18	1.15	.24	....	....	....	.75	T.	....	2.00	....	....	....	....	....	....	....	.05	....	....	.03	7.34
Runyon	Coast	....	1.45	....	....	....	....	1.35	....	....	.28	.56	.42	....	....	....	....	.72	....	....	1.44	....	....	....	....	....	....	....	....	....	....	.42	6.64
Trenton***	Delaware	....	1.09	....	....	....	1.04	.34	....	T.	.01	.71	.07	....	....	....	.44	.02	....	.75	.27	....	T	....	....	....	....	....	.01	T.	.07	.62	5.44
Trenton No. 2**	....do	....	1.22	T.	....	....	1.14	.37	....	T.	.01	.88	.11	....	....	....	.56	.02	....	.87	.52	....	T.	....	....	....	....	....	T.	T.	.11	.84	6.65
Tuckerton	Coast	T.	T.	.27	....	....	.19	.46	....	....	.90	.90	1.10	.06	....	....	....	.72	....	.09	1.14	....	....	....	....	....	....	....	.04	....	.02	.08	5.97
Phila., Pa***	Delaware	T.	.99	....	....	....	1.04	.32	....	....	T.	.68	.05	....	....	....	.39	.02	....	.57	.20	....	T.	....	....	....	....	....	.03	T.	.06	.48	4.83
The Sea Coast.																																	
Atlantic City***	Coast	T.	.48	T.	....	....	.36	.49	T.	T.	.97	1.80	.32	.01	....	....	.45	.34	....	.85	1.16	....	....	....	....	....	....	....	.03	....	T	.39	7.65
Long Branch**	....do	T.	.91	T.	....	....	.64	.55	....	T.	1.37	1.25	.24	....	....	....	.83	.34	....	.86	1.60	....	....	....	....	....	....	....	.01	....	.07	.20	8.87
Sandy Hook***	....do	T.	1.06	T.	....	....	.58	.39	....	....	.73	.88	.13	....	....	....	.41	.45	....	.77	1.24	....	....	....	....	....	....	....	.02	....	.07	.24	6.97

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for December, 1936

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	27	42	....	44	39	34	40	30	33	41	41	41	41	41	50	49	48	40	38	54	40	38	....	45	52	58	49	55	40	38	52	42.8^b
	Minimum	8	22	...	28	25	25	22	16	22	32	36	36	25	22	29	31	40	25	18	34	31	27	....	24	30	43	31	39	25	32	35	28.0^d
Charlotteburg	Maximum	28	39	47	42	43	36	47	30	34	43	50	44	40	46	49	49	47	42	32	52	38	35	36	53	52	67	58	57	44	38	57	44.4
	Minimum	5	15	33	27	23	17	24	12	15	32	38	34	21	25	28	17	39	23	9	30	29	24	11	25	24	40	26	42	19	32	36	25.0
Dover	Maximum	27	42	41	42	36	36	46	33	35	44	43	43	41	44	50	48	47	35	40	54	38	31	35	56	56	54	57	56	45	39	57	43.2
	Minimum	6	23	29	28	21	21	19	19	20	34	39	33	23	24	26	20	32	18	13	30	30	19	12	26	33	12	30	32	22	33	33	24.5
Layton	Maximum	28	35	42	43	36	34	40	30	32	42	38	40	40	42	45	46	44	35	30	45	40	35	36	55	56	63	53	54	41	36	53	41.6
	Minimum	−3	16	34	29	22	18	20	9	16	30	35	34	19	14	24	15	35	17	10	30	29	15	6	23	29	38	28	33	16	30	35	22.8
Newton	Maximum	26	40	42	40	37	36	42	29	31	39	41	41	39	42	51	50	49	37	29	55	37	36	32	48	54	61	54	56	38	35	55	42.0
	Minimum	3	17	32	27	22	21	20	11	18	29	35	31	21	20	31	24	35	19	15	27	29	22	9	23	32	40	27	34	21	30	33	24.4
Phillipsburg	Maximum	26	44	41	40	35	38	38	29	36	41	41	41	40	40	48	46	46	38	39	52	33	34	32	46	52	57	54	56	39	40	54	42.0
	Minimum	10	25	33	31	27	30	21	18	25	36	38	35	27	25	28	23	38	24	20	33	33	24	12	23	33	33	32	39	24	36	38	28.2
Sussex	Maximum	27	36	39	....	42	....	41	32	32	40	41	41	38	43	49	50	45	39	32	42	39	36	35	47	52	62	54	52	44	37	51	42.0^b
	Minimum	5	15	32	....	24	....	21	13	21	31	36	34	23	19	28	19	39	24	16	27	31	28	12	26	30	40	29	43	22	33	34	25.9^b
The Red Sandstone Plain.																																	
Boonton§§	Maximum	30	44	44	46	39	45	44	43	40	47	44	41	44	45	53	51	49	48	54	47	46	35	35	52	56	62	57	51	58	40	57	46.7
	Minimum	8	10	29	25	27	21	28	15	17	30	39	39	21	20	22	21	21	27	14	21	33	24	14	16	31	34	30	31	22	23	34	24.1
Canoe Brook§§	Maximum	33	46	44	45	39	48	41	41	40	45	43	41	44	45	53	50	52	48	55	45	43	36	36	42	58	64	58	58	53	40	59	46.6
	Minimum	4	14	28	20	23	17	28	14	16	29	38	38	25	16	23	16	23	22	12	22	31	28	16	20	26	32	24	30	16	27	34	22.8
Elizabeth	Maximum	27	46	47	42	38	40	52	30	38	50	49	46	43	44	52	52	52	48	42	54	45	48	33	48	56	63	60	59	45	41	60	46.8
	Minimum	12	26	34	29	26	29	28	18	26	37	43	39	29	23	27	25	44	26	22	35	32	25	15	25	31	34	31	44	30	37	40	29.7
Flemington	Maximum	32	44	45	46	42	38	44	34	36	48	45	44	47	48	55	51	49	42	35	55	43	39	38	51	62	66	60	58	45	39	59	46.5
	Minimum	7	25	34	30	27	25	27	17	23	35	39	39	28	23	29	24	42	26	19	32	33	28	14	22	35	34	29	44	22	34	39	28.6
Jersey City	Maximum	35	48	45	46	41	50	50	33	42	50	50	44	41	46	53	52	51	36	43	54	39	34	36	49	58	63	60	59	43	42	60	46.9
	Minimum	12	34	34	32	27	32	25	19	32	37	42	34	28	27	31	33	37	25	26	33	32	22	18	29	38	42	40	38	33	38	42	31.4
Lambertville	Maximum	28	45	45	43	40	41	45	29	40	45	55	42	55	49	52	52	50	40	44	41	44	40	36	49	57	62	59	58	52	56	58	46.8
	Minimum	5	24	29	27	27	33	24	15	25	30	24	22	20	28	32	28	35	24	30	32	26	20	12	26	35	40	36	35	24	40	38	27.3
Little Falls§§	Maximum	32	44	45	47	40	49	42	42	40	46	48	48	43	47	55	52	51	49	54	44	44	38	37	54	58	66	59	57	57	43	60	48.1
	Minimum	8	18	31	25	26	25	30	15	21	31	39	38	26	21	26	22	29	25	19	23	32	27	15	22	30	33	29	51	25	30	34	26.6
Newark	Maximum	30	47	44	46	37	53	47	30	39	50	46	45	42	45	52	50	51	34	46	53	39	34	34	48	57	64	60	58	40	41	61	45.9
	Minimum	12	29	34	33	28	28	23	19	28	36	44	35	28	26	31	30	34	23	22	34	34	22	19	26	36	42	31	37	28	37	40	30.0
New Brunswick	Maximum	26	46	47	43	40	37	52	29	37	48	46	44	42	44	50	50	50	42	40	58	40	37	33	48	56	62	60	58	46	40	61	45.5
	Minimum	9	25	32	28	27	26	28	17	25	36	42	38	29	24	28	24	42	25	20	36	33	27	16	24	30	37	32	46	27	36	39	29.3
Paterson	Maximum	29	41	44	44	41	34	50	30	36	47	47	45	41	45	51	49	50	44	39	54	39	37	35	50	56	65	59	59	45	39	59	45.3
	Minimum	10	24	36	31	26	26	28	17	25	35	39	38	27	24	35	27	43	27	20	38	33	28	16	28	40	43	31	45	27	35	38	30.3
Plainfield	Maximum	30	45	46	45	41	50	50	32	36	48	46	35	46	46	55	52	51	38	42	56	39	34	36	49	60	64	60	60	42	40	59	46.5
	Minimum	11	28	32	27	27	28	26	18	27	35	42	37	29	23	28	24	38	23	23	33	32	20	16	26	36	40	30	39	28	36	40	29.1
Ridgefield	Maximum	29	45	43	44	38	51	47	30	38	51	45	43	39	41	51	51	49	32	47	55	39	31	32	46	52	62	58	57	38	40	59	44.6
	Minimum	11	28	31	29	27	29	21	17	28	38	42	34	27	23	31	27	43	23	21	33	30	20	16	27	35	43	51	34	27	37	40	29.4
Somerville	Maximum	29	45	44	43	39	43	45	43	40	47	46	45	44	44	46	50	40	50	32	56	48	41	36	50	51	64	59	56	56	40	60	46.2
	Minimum	4	23	31	27	24	21	22	18	26	37	33	38	32	30	28	33	17	23	16	28	27	22	12	22	32	32	26	36	28	32	34	26.3
New York, N. Y.	Maximum	35	49	44	47	40	51	49	34	42	53	50	42	39	45	52	50	51	33	46	53	39	33	63	48	55	62	59	58	44	44	60	46.5
	Minimum	12	35	35	33	27	33	22	19	33	38	42	34	27	28	32	40	33	25	26	32	32	22	68	29	40	45	41	38	35	39	43	31.9
The Southern Interior.																																	
Belleplain	Maximum	33	50	51	49	45	53	53	33	47	55	52	50	46	48	49	52	54	46	45	57	42	41	38	48	59	61	65	63	57	50	60	50.1
	Minimum	8	25	36	26	26	18	31	16	29	43	42	38	28	21	27	25	44	24	23	37	33	24	10	23	26	34	30	49	28	38	44	29.2
Bridgeton	Maximum	43	51	42	47	40	51	42	37	49	48	49	42	46	47	47	53	52	37	57	43	41	36	37	49	59	62	64	59	45	56	59	48.1
	Minimum	20	35	28	27	25	31	18	26	35	41	40	31	24	28	28	33	25	24	29	32	26	17	24	28	31	34	50	28	32	42	33	29.8
Burlington	Maximum	28	48	49	44	44	38	52	36	39	48	48	45	42	46	49	52	51	44	41	58	50	38	35	47	59	61	61	64	50	44	61	47.5
	Minimum	10	27	37	32	29	27	27	20	28	37	37	39	29	25	26	25	42	28	24	37	31	30	23	25	29	51	30	46	29	38	41	30.9
Camden	Maximum	30	48	44	46	38	45	47	32	40	48	46	44	42	46	47	51	50	34	42	57	41	35	35	47	59	59	62	58	42	44	59	46.1
	Minimum	13	29	36	34	29	28	23	20	30	38	44	37	31	26	30	26	34	24	24	37	36	27	20	27	32	32	35	38	28	39	42	30.6
Freehold	Maximum	35	48	49	42	39	50	55	31	39	52	48	45	43	44	48	51	52	42	42	56	40	37	32	48	57	62	63	61	58	49	61	47.5
	Minimum	27	27	32	27	27	[illegible]	27	18	27	37	43	37	30	22	30	29	41	24	20	36	34	26	14	26	34	37	35	42	27	40	40	29.6
Hammonton	Maximum	32	49	48	46	43	52	55	34	46	52	49	46	45	47	47	52	53	44	48	57	42	40	38	50	60	63	65	61	45	49	61	49.0
	Minimum	10	27	36	30	28	23	30	19	30	40	44	39	31	24	30	25	44	24	22	37	35	26	15	24	33	33	39	45	26	40	45	30.8
Hightstown	Maximum	27	47	48	43	39	47	52	30	37	48	46	45	42	44	49	51	51	43	41	57	39	36	33	47	53	60	60	59	46	48	60	46.0
	Minimum	9	26	33	27	27	24	28	18	25	35	42	38	29	24	29	23	42	24	20	36	34	26	16	25	32	36	33	46	26	37	40	29.4
Indian Mills	Maximum	28	47	47	44	42	50	52	32	43	48	59	46	42	46	45	50	51	44	41	56	42	38	37	51	62	66	65	65	51	47	59	48.3
	Minimum	6	25	25	30	26	22	30	19	19	39	44	39	31	20	27	25	44	25	22	38	34	25	11	21	27	31	31	51	18	39	44	28.6
Lakewood	Maximum	28	49	51	43	39	50	55	31	45	51	49	47	43	44	47	49	54	43	44	55	40	39	34	49	57	62	65	62	47	46	61	47.7
	Minimum	10	8	34	28	28	26	29	20	31	42	45	38	32	23	30	23	43	24	22	38	34	27	17	28	33	37	32	46	27	40	43	30.9
Maple Shade	Maximum	40	48	45	45	40	52	43	32	41	48	46	42	44	46	48	52	51	35	57	43	40	36	36	47	60	64	62	57	42	54	60	47.0
	Minimum	11	17	37	32	29	26	31	20	21	32	41	41	31	26	27	26	30	27	24	28	36	30	18	20	28	28	36	44	27	29	39	28.8
Moorestown	Maximum	29	48	44	45	40	54	45	33	39	48	46	45	44	46	48	52	52	35	53	58	40	36	35	47	60	63	62	57	42	46	61	46.9
	Minimum	11	26	35	32	29	29	26	19	32	37	43	39	31	26	30	33	35	26	23	39	36	27	18	25	28	35	38	36	28	38	40	30.6
Pemberton	Maximum	31	48	49	44	42	46	53	34	42	52	48	48	44	46	48	52	54	44	43	58	40	38	35	49	60	63	64	61	50	47	61	48.2
	Minimum	11	27	35	30	29	27	29	20	29	37	44	40	31	25	29	26	43	28	25	39	35	29	17	24	35	34	34	49	28	39	43	31.3
Pleasantville§§	Maximum	44	50	45	48	40	54	44	44	50	53	51	46	45	45	48	54	55	47	56	46	43	38	37	50	63	63	66	62	54	51	55	49.9
	Minimum	12	27	37	28	28	20	39	19	21	41	43	43	33	23	26	25	35	25	23	39	33	24	12	15	26	82	29	44	28	31	43	29.2
Runyon	Maximum	32	45	43	47	39	39	39	29	33	46	47	44	38	37	50	46	46	36	50	54	42	32	31	46	61	59	61	60	49	56	57	45.0
	Minimum	5	23	34	22	25	21	28	17	26	32	43	38	26	17	26	17	36	17	22	34	29	22	9	29	31	32	28	25	20	36	38	26.1
Trenton	Maximum	29	48	42	44	37	51	47	30	39	48	47	44	42	45	48	51	50	34	51	57	40	35	34	48	54	61	60	58	39	42	60	45.6
	Minimum	11	29	32	31	28	29	22	18	29	37	43	37	30	28	31	30	34	24	23	35	34	25	19	26	32	38	36	36	29	38	42	30.2
Tuckerton	Maximum	31	50	48	50	48	48	52	50	47	60	50	48	50	49	50	52	50	48	46	52	47	46	42	49	59	62	60	64	50	50	52	50.3
	Minimum	9	25	30	32	30	32	40	18	32	42	44	42	39	25	28	42	29	22	28	32	30	22	14	25	35	44	44	34	30	40	41	31.6
Philadelphia, Pa.	Maximum	31	48	44	46	40	49	46	32	39	50	47	44	45	45	50	51	52	37	52	56	40	37	34	47	59	62	60	58	43	45	60	46.7
	Minimum	15	31	36	34	31	29	23	21	30	38	43	39	31	31	33	34	34	26	26	36	35	29	23	29	36	39	41	40	33	40	41	32.5
The Sea Coast.																																	
Atlantic City	Maximum	41	49	46	50	40	53	53	40	46	49	49	46	47	43	50	49	57	38	53	56	43	39	36	49	52	55	55	64	44	47	54	48.2
	Minimum	15	41	37	32	31	30	26	21	40	45	44	38	31	28	35	36	38	29	29	38	35	27	20	34	37	42	45	38	33	43	43	34.2
Long Branch	Maximum	40	50	45	43	37	55	51	34	41	48	46	45	41	43	49	49	53	34	46	54	40	35	34	50	58	65	65	63	41	44	60	47.1
	Minimum	o 15	39	34	31	28	33	25	23	33	40	45	37	30	27	27	27	34	26	27	36	34	24	16	27	39	42	39	37	31	41	41	31.9
Sandy Hook	Maximum	38	48	42	42	38	51	48	32	41	47	45	43	41	41	48	49	48	34	48	54	40	35	33	45	54	59	58	60	42	43	58	45.8
	Minimum	18	38	35	34	30	32	26	26	32	39	42	38	32	32	36	34	34	26	25	37	35	24	20	31	38	40	39	38	33	39	42	33.1

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION,

F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XL. ANNUAL SUMMARY, 1936. No. 13.

GENERAL SUMMARY.

The most pronounced feature of the weather during the year 1936 was perhaps the extremely high temperatures experienced during the month of July. Temperatures ranging from 100 to 110 degrees were recorded on the 9th and 10th, and the all-time records for high temperatures were equalled or exceeded at two-thirds of the stations in the State. All stations, with the exception of Atlantic City, experienced a temperature of 100 degrees or higher. Runyon with 110 degrees recorded the highest. A number of deaths and innumerable prostrations occurred throughout the State due to this excessive heat.

The next most notable feature of the year was the two floods during March. The first flood reached its crest in the Delaware River on the 13th, removing the ice jam with a resulting loss estimated at $200,000. The second flood reached its crest on the 19th, this crest being from one to six feet higher than that of the 13th, and causing considerably more damage. The stages reached along the Delaware River generally exceeded all previous gage heights, in fact this was the worst flood experienced in this section since that of 1903. No lives were lost, but a wholesale evacuation of residents in the west end of Trenton and also across the river in Yardley and Morrisville took place. Hundreds of people were removed from their homes in boats. Public utilities were hard hit in the stricken area. In some sections telephonic communications were cut off, electric and gas service crippled and the water supply affected. The damage from this latter flood was estimated at approximately $250,000.

Both the annual mean temperature and the average precipitation were a little above the normal. The last killing frosts of Spring were recorded mostly during the last decade of April, except in the most northern districts and other scattered points in the State, where they occurred as late as the latter part of May. The first killing of Autumn came to most stations on October 27th, a few having it earlier in that month.

The first eighteen days of January were mild, but during the remainder of the month an unusual cold spell prevailed, which continued into February, the latter month ending with the temperature considerably below normal. The snow cover, which was slightly above normal, remained throughout the month. March was characterized by its warmth and copious rains which were a direct cause of the floods mentioned above. April was uneventful, both temperature and precipitation being above normal. May was a comparatively dry month, but the average temperature was somewhat above normal. No material frost damage occurred during the month, although a few places reported killing frost. The month of June was favored by an excess of rainfall, New Jersey being one of two States east of the Rockies having an excess. The temperature was close to normal. Then the record breaking temperatures in July, mentioned above, were experienced, followed by a warm and comparatively dry August. The tropical storm of the 18-19th of September was the most notable feature of that month, this storm alone yielding as much as four to five inches of rainfall in 24 hours along the coastal sections. October was nearly a normal month in all respects. November was cold, it being one of the coldest Novembers on record, that month was also lacking in precipitation. December was a warm and wet month, only a negligible amount of the precipitation, however, being in the form of snow.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No of days.			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	**63.33**	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	**49.2**	100	**−34**	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24.3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	**35.28**	15.6	99	172	89	104
1931	**54.4**	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.3	**110**	−17	47.57	22.1	119	163	87	116
Period	51.9	110	−34	45.49	29.0	136	153	104	108

Climatological Data for the Year 1936

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	45	51.4	106	July 9	−7	Jan. 23	45	54.04	7.99	June	0.96	July	36.7	108	202	59	105	......
Charlotteburg	Passaic	719	44	50.3	105	do. 9	−13	do. 23	44	55.39	9.08	Mar.	1.57	do.	44.6	131	248	12	106	w.
Culvers Lake	Sussex	848	......	......	......	......	......	......	35	48.26	5.97	Jan.	1.15	do.	58.0	105	199	81	86	e.
Dover	Morris	600	52	49.5	102	July 9†	−7	Jan. 23	52	51.84	8.00	Mar.	1.30	do.	34.8	123	71	152	143	......
Layton	Sussex	480	35	43.8	103	July 9	−16	Feb. 1†	35	43.94	6.41	Mar.	1.86	Sept.	51.0	116	130	66	170	sw.
Newton	Sussex	769	53	49.8	102	do. 9†	−10	Jan. 23	50	41.61	5.99	Jan.	0.38	July	51.2	131	127	80	159	sw.
Phillipsburg	Warren	363	45	50.7	104	do. 9†	−5	do. 23	53	51.98	7.52	June	1.28	Sept.	34.2	122	198	66	102	......
Sussex	Sussex	442	38	51.2	106	do. 10	−9	Jan. 21†	41	44.02	5.15	Mar.	0.94	July	39.9	118	183	65	117	......
Means and extremes	......	......	......	49.5	106	July 9†	−16	Feb. 1†	......	49.88	9.08	Mar.	0.38	July	43.8	119	170	78	124	sw.
The Red Sandstone Plain.																				
Boonton	Morris	400	28	......	102	July 9†	−5	Feb. 20	46	46.01	6.55	Jan.	1.08	July	......	117	166	25	175	ne.
Canoe Brook	Essex	173	6	49.2	102	do. 9†	−17	do. 20	6	51.59	7.62	do.	1.08	Nov.	......	129	177	107	82	......
Chatham	Morris	185	......	......	......	......	......	......	32	48.91	7.32	Mar.	1.00	do.	28.0	128	142	120	104	......
Elizabeth	Union	45	52	53.3	105	July 9†	−6	Jan. 23	57	52.41	8.58	Jan.	1.12	do.	27.9	132	205	48	113	ne.
Flemington	Hunterdon	140	39	53.2	106	do. 10	−7	Feb. 20	50	43.99	7.21	do.	1.11	do.	26.1	123	213	64	89	w.
Jersey City	Hudson	10	38	53.4	105	July 10	−2	Jan 23	38	48.04	7.34	Dec.	1.09	Nov.	26.2	132	124	122	120	......
Lambertville	Hunterdon	430	49	51.2	104	do, 9†	−7	do. 23	49	45.66	7.66	do.	0.99	do.	28.8	123	189	68	109	w.
Little Falls	Passaic	180	22	52.0	105	do. 9	−5	do. 23	33	58.99	8.13	June	1.26	do.	36.1	130	171	76	119	w.
Newark	Essex	10	2	52.3	104	do. 9	−4	do. 23	2	45.25	6.63	Dec.	0.94	do.	22.7	132	98	144	124	......
New Brunswick	Middlesex	110	79	52.5	105	do. 9	−4	do. 23†	83	45.97	6.84	do.	0.99	do.	22.2	121	187	95	84	sw.
New Milford	Bergen	40	......	......	......	......	......	......	18	49.26	6.64	Jan.	1.16	Nov.	......	120	......	......	......	......
Paterson	Passaic	180	66	52.7	105	July 9	−3	Jan. 23	66	53.58	7.23	do.	1.15	do.	33.2	121	194	69	103	sw.
Plainfield	Union	120	45	52.4	106	do. 10	−4	Feb. 20	48	51.64	7.67	Dec.	1.04	do.	27.9	136	146	101	119	......
Ridgefield	Bergen	80	19	51.6	102	do. 9	−3	Jan. 23	19	50.93	7.41	do.	1.19	do.	36.0	125	144	121	101	......
Somerville	Somerset	385	50	51.9	102	do. 10	−4	do. 23	52	46.65	6.63	do.	1.21	do.	......	......	183	72	111	se
Woodcliff Lake	Bergen	100	......	......	......	......	......	......	18	48.00	6.25	do.	1.08	do.	......	114	......	......	......	......
New York, N. Y.	......	10	66	52.9	102	July 9	−2	Jan. 23	66	46.33	7.03	Dec.	1.06	Nov.	18.4	139	120	108	138	......
Means and extremes	......	......	......	51.8	106	July 10	−17	Feb. 20	......	49.01	8.58	Jan.	0.99	Nov.	27.8	126	164	89	113	......
The Southern Interior.																				
Belleplain	Cape May	30	41	53.5	102	July 10	1	Jan. 23	42	52.60	7.09	Mar.	1.18	Nov.	11.5	96	198	78	90	s.
Bridgeton	Cumberland	30	48	53.6	104	do. 10	−2	do. 22	53	51.08	6.78	Jan.	0.80	do.	12.3	113	207	62	97	sw.
Burlington	Burlington	12	24	55.0	106	do. 10	−2	do. 23	50	40.48	5.89	do.	0.95	do.	11.7	118	189	68	109	sw.
Camden	Camden	20	5	54.1	105	do. 9†	−2	do. 23	4	40.80	5.73	do.	0.83	do.	18.8	109	118	114	134	sw.
Freehold	Monmouth	194	5	......	106	do. 9	−4	do. 23	32	47.68	7.50	Dec.	1.05	do.	14.2	109	237	43	86	w.
Hammonton	Atlantic	110	4	54.0	103	July 10	−1	Jan. 23	30	48.27	7.29	Jan.	0.82	May	10.8	123	121	165	80	w.
Hightstown	Mercer	110	40	52.3	105	do. 9	−4	do. 23	42	45.37	5.98	do.	0.98	Nov.	17.2	145	150	113	103	......
Indian Mills	Burlington	76	47	53.4	104	do. 10	−2	do. 23	46	46.15	6.11	Sept.	0.97	do.	13.0	100	124	137	105	......
Lakewood	Ocean	54	32	52.9	106	do. 10	−3	do. 23	32	48.94	6.99	Jan.	1.01	do.	11.2	115	154	79	133	......
Maple Shade	Burlington	55	2	53.9	106	do. 10	−1	do. 23	2	44.76	6.69	do.	0.96	do.	15.7	123	103	113	150	......
Moorestown	Burlington	62	73	52.9	106	July 10	−2	Jan. 23	73	42.82	6.52	Sept.	0.94	Nov.	12.0	114	135	108	123	sw.
Northfield	Atlantic	25	......	......	......	......	......	......	29	47.15	7.04	Dec.	0.69	do.	7.7	116	......	......	......	......
Pemberton	Burlington	60	6	54.2	107	July 10	−1	Jan. 23	6	44.21	6.44	Jan.	0.92	do.	11.0	126	193	55	118	w.
Pleasantville	Atlantic	11	13	52.8	106	do. 10	−1	do. 23	38	50.60	7.34	Dec.	0.79	do.	......	126	218	46	102	s.
Runyon	Middlesex	18	12	51.9	110	do. 10	−14	do. 20	13	45.04	6.64	do.	1.22	do.	......	88	214	102	50	w.
Trenton	Mercer	56	65	52.9	106	July 9	−3	Jan. 23	64	39.18	6.00	Jan.	0.75	Nov.	14.2	125	121	110	135	s.
Trenton No. 2	Mercer	105	......	......	......	......	......	......	8	45.44	7.40	do.	0.77	do.	14.4	120	......	......	......	......
Tuckerton	Ocean	23	38	......	105	July 10	......	......	43	41.86	6.79	July	0.40	do.	......	......	......	......	......	......
Philadelphia, Pa.	......	26	65	54.8	104	July 10	−2	Jan. 23	65	38.70	6.44	Jan.	0.69	Nov.	14.4	127	114	114	138	sw.
Means and extremes	......	......	......	53.5	110	July 10	−14	Jan. 20	......	45.32	7.50	Dec.	0.40	Nov.	13.1	116	162	94	110	sw.
The Sea Coast.																				
Atlantic City	Atlantic	8	63	53.4	94	July 9	1	Jan. 23	63	47.90	7.65	Dec.	0.67	Nov.	11.3	135	87	93	186	s.
Long Branch	Monmouth	25	28	53.4	106	do. 9	−3	do. 23	28	48.51	8.87	do.	1.12	do.	16.6	129	108	104	154	......
Sandy Hook	Monmouth	15	38	52.6	101	do. 9	0	do. 23	38	42.68	6.97	do.	1.19	do.	9.2	127	127	96	143	w.
Means and extremes	......	......	......	52.1	106	July 9	−3	Jan. 23	......	46.36	8.87	Dec.	0.67	Nov.	12.4	130	107	98	161	w
For the State	......	......	......	52.3	110	July 10	−17	Feb. 20	......	47.57	6.47	Jan.	1.18	Nov.	22.1	119	163	87	116	sw.

† Also on other dates.

W. B. O. Philadelphia-6-17-37-1050

Monthly and Annual Precipitation for the Year 1936, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	7.52	+3.76	3.93	+0.37	7.41	+3.72	3.83	+0.07	2.27	−1.27	7.99	+3.99	0.96	−3.58	6.97	+2.40	1.25	−2.49	3.10	−0.72	2.13	−1.06	6.68	+2.77	54.04	+7.96
Charlotteburg	6.84	+3.22	4.31	+0.62	9.08	+5.09	4.04	−0.28	3.25	−0.63	6.52	+2.06	1.57	−3.01	3.50	−1.00	2.82	−1.33	4.35	−0 06	1.68	−1.94	7.43	+3.43	55.39	+6.17
Culvers Lake	5.97	+2.93	3.90	+0.94	5.24	+1.92	4.31	+0.78	4.54	+0.71	5.06	+0.62	1.15	−3.63	5.45	+0.80	2.15	−1.87	3.45	−0.16	3.04	−0.06	4.00	+0.66	48.26	+3.64
Dover	6.55	+2.55	3.68	−0.09	8.00	+3.98	3.95	−0.11	3.14	−0.49	7.15	+2.72	1.30	−3.91	4.24	−0.26	3.37	−0.71	2.14	−2.00	1.59	−1.96	6.73	+2.55	51.84	+2.27
Layton	5.23	+2.25	2.70	−0.29	6.41	+2.12	3.43	−0.06	2.86	−0.28	5.50	+0.97	2.04	−2.36	4.34	+0.25	1.86	−2.00	3.49	−0.26	1.86	−1.21	4.22	+0.85	43.94	+0.98
Newton	5.99	+2.69	2.66	−0.49	5.21	+1.82	4.55	+1.02	3.64	+0.03	5.78	+1.30	0.38	−4.45	4.14	+0.21	1.28	−2.48	3.12	−0.53	1.65	−1.42	3.21	−0.20	41.61	−2.92
Phillipsburg	6.21	+2.83	3.72	+0.41	6.39	+3.05	4.24	+0.85	2.09	−1.22	7.52	+3.79	2.33	−2.15	5.15	+0.75	1.28	−2.21	3.62	+0.02	2.12	−0.71	7.31	+3.88	51.98	+9.29
Sussex	4.86	+1.89	3.64	+0.68	5.15	+2.00	3.66	+0.13	4.06	+0.63	3.55	−0.53	0.94	−2.88	4.06	+0.06	3.38	−0.19	3.65	+0.29	2.33	−0.49	4.74	+1.77	44.02	+3.36
The Red Sandstone Plain.																										
Boonton	6.55	+3.17	2.55	−0.75	5.16	+1.52	4.40	+0.50	2.62	−1.08	6.18	+2.22	1.08	−3.56	3.99	−0.70	2.86	−0.99	3.79	−0.12	1.24	−1.77	5.59	+1.89	46.01	+0.33
Canoe Brook	7.62	......	1.72	......	6.21	......	4.03	......	2.92	......	6.25	......	1.63	......	6.52	......	2.67	......	4.62	......	1.08	......	6.32	......	51.59	......
Chatham	6.98	+3.01	2.74	−1.13	7.32	+3.28	4.01	−0.21	2.87	−1.05	4.87	+0.91	1.42	−3.52	5.28	+0.63	2.58	−1.64	3.90	−0.21	1.00	−2.44	5.94	+1.77	48.91	−0.60
Elizabeth	8.58	+4.88	2.49	−1.37	4.79	+0.83	3.35	−0.49	4.35	+0.71	5.10	+1.50	2.64	−2.08	4.95	+0.62	4.00	+0.39	4.27	+0.32	1.12	−1.80	6.77	+2.85	52.41	+6.36
Flemington	7.21	+3.74	2.20	−1.12	5.44	+1.78	3.20	−0.42	3.07	−0.45	4.02	+0.41	2.29	−2.56	4.09	−0.43	2.00	−1.64	3.13	−0.38	1.11	−1.84	6.23	+2.57	43.99	−0.34
Jersey City	7.10	+3.40	2.50	−1.43	4.13	+0.11	3.10	−0.65	2.59	−0.86	4.47	+0.69	2.44	−1.91	3.95	−0.38	4.92	+1.52	4.41	+0.31	1.09	−1.91	7.34	+3.69	48.04	+2.58
Lambertville	7.38	+3.92	2.76	−0.62	5.51	+1.72	4.04	+0.24	4.08	+0.42	3.13	−0.63	1.23	−3.41	3.86	−0.94	1.90	−1.46	3.12	−0.43	0.99	−2.01	7.66	+3.96	45.66	+0.76
Little Falls	7.59	+3.92	2.82	−0.98	8.00	+4.23	4.55	+0.39	3.80	−0.14	8.13	+4.11	2.81	−1.91	5.25	+0.29	3.79	+0.11	4.52	−0.07	1.26	−2.14	6.47	+2.53	58.99	+10.34
Newark	6.28	+2.50	2.50	−1.11	4.24	+0.34	2.63	−1.13	2.02	−2.04	5.74	+1.87	2.40	−2.43	3.52	−1.35	4.05	+0.32	4.30	+0.49	0.94	−2.49	6.63	+2.76	45.25	−2.27
New Brunswick	6.21	+2.81	2.20	−1.17	4.14	+0.58	2.97	−0.64	4.33	+0.67	4.92	+1.24	1.20	−4.03	3.69	−1.71	4.50	+1.14	3.98	+0.16	0.99	−1.85	6.84	+3.30	45.97	+0.50
New Milford	6.64	+3.56	2.56	−0.63	6.49	+3.14	3.70	+0.28	2.87	−0.64	5.45	+1.90	2.73	−2.39	3.27	−1.28	3.53	−0.55	4.68	+1.80	1.16	−2.05	6.18	+3.18	49.26	+6.32
Paterson	7.23	+3.68	2.50	−1.48	5.92	+1.97	4.24	+0.41	3.40	−0.37	6.24	+2.54	4.44	+0.14	4.37	−0.26	3.53	−0.08	4.19	+0.08	1.15	−1.97	6.37	+2.52	53.58	+7.18
Plainfield	7.11	+3.46	2.45	−1.30	5.72	+1.76	3.59	−0.20	3.55	−0.18	7.10	+3.23	1.32	−4.23	4.51	−0.59	3.28	−0.75	4.30	+0.22	1.04	−2.01	7.67	+3.80	51.64	+3.21
Ridgefield	7.22	+3.56	2.36	−1.54	6.33	+2.26	3.60	+0.15	2.93	−0.54	5.34	+1.20	2.32	−2.50	3.53	−1.38	3.86	+0.72	4.84	+0.61	1.19	−1.65	7.41	+3.60	50.93	+4.49
Somerville	5.43	+1.91	*2.20	−1.25	5.91	+2.24	3.33	−0.83	2.73	−0.81	5.36	+1.85	2.89	−2.35	4.49	−0.43	2.58	−1.14	3.89	+0.31	1.21	−1.76	6.63	+2.92	46.65	+1.16
Woodcliff Lake	6.05	+2.90	2.53	−0.79	6.30	+3.23	3.69	+0.25	3.02	−0.32	5.33	+1.97	2.23	−2.34	4.05	−0.17	3.47	−0.39	4.00	+1.15	1.08	−1.95	6.25	+3.26	48.00	+6.80
New York, N. Y	6.82	+3.16	2.41	−1.56	3.97	+0.33	3.13	−0.10	2.57	−0.67	4.17	+0.84	2.37	−1.87	3.68	−0.65	5.07	+1.68	4.05	+0.52	1.06	−1.90	7.03	+3.41	46.52	+3.19
The Southern Interior.																										
Belleplain	5.23	+1.69	3.91	+0.58	7.09	+3.33	3.42	−0.28	1.37	−2.15	5.95	+2.51	5.40	+1.09	2.66	−1.94	6.82	+3.44	2.85	−0.05	1.18	−1.36	6.72	+2.72	52.60	+9.58
Bridgeton	6.78	+3.33	3.70	+0.48	5.47	+1.63	2.88	−0.72	1.23	−2.04	6.36	+2.44	6.44	+1.99	4.62	−0.05	6.21	+2.90	1.80	−1.30	0.80	−1.80	4.79	+1.09	51.08	+7.95
Burlington	5.89	+2.32	2.69	−0.63	5.72	+2.01	2.59	−1.15	2.17	−1.34	4.48	+0.79	1.68	−3.26	3.13	−2.65	4.73	+1.17	1.81	−1.68	0.95	−2.03	4.64	+0.69	40.48	−5.76
Camden	5.73	......	2.90	......	4.42	......	2.30	......	1.88	......	4.38	......	2.47	......	3.54	......	5.71	......	1.84	......	0.83	......	4.82	......	40.80	......
Freehold	7.31	+3.35	2.64	−1.50	4.53	−0.12	2.73	−0.91	3.50	−0.28	2.58	−1.03	1.74	−3.52	4.04	−0.55	6.39	+2.10	3.67	−0.04	1.05	−2.97	7.50	+3.98	47.68	−1.49
Hammonton	7.29	+3.55	4.14	+0.90	6.21	+2.29	2.81	−0.97	0.82	−2.79	4.03	+0.27	3.76	−0.78	2.94	−1.94	5.67	+1.46	3.00	−0.85	0.85	−2.19	6.75	+2.77	48.27	+1.72
Hightstown	5.98	+2.51	2.48	−0.91	3.95	+0.17	2.31	−1.58	3.98	+0.37	4.75	+0.99	2.65	−2.27	3.22	−1.80	5.71	+2.50	3.54	−0.16	0.98	−1.93	5.82	+2.28	45.37	+0.17
Indian Mills	5.15	+1.18	3.55	−0.12	5.15	+1.07	2.05	−1.75	1.19	−2.15	5.44	+1.51	4.04	−0.71	3.53	−2.00	6.11	+2.62	3.31	−0.38	0.97	−2.03	5.66	+1.55	46.15	−1.21
Lakewood	6.99	+2.99	2.24	−1.65	3.33	−0.84	2.56	−1.39	3.76	−0.02	4.39	+0.38	1.35	−3.65	6.39	+1.20	6.90	+3.86	4.28	+0.48	1.01	−2.08	5.74	+1.55	48.94	+0.83
Maple Shade	6.69	......	3.26	......	5.01	......	2.67	......	1.68	......	3.68	......	2.64	.....	3.82	......	6.31	......	1.97	......	0.96	......	6.07	......	44.76	......
Moorestown	6.34	+3.00	3.38	+0.13	4.56	+0.88	2.11	−1.54	1.70	−1.82	3.22	−0.56	2.73	−1.97	3.71	−1.66	6.52	+2.99	1.84	−1.64	0.94	−1.97	5.77	+2.00	42.82	−2.16
Northfield	4.04	+0.90	4.53	+1.69	4.40	+0.96	2.40	−0.92	2.32	−0.92	3.96	+0.67	4.50	+0.36	3.42	−1.10	6.22	+3.37	3.63	+0.43	0.69	−2.02	7.04	+3.27	47.15	+6.69
Pemberton	6.44	......	2.65	......	3.51	......	2.19	......	1.91	.....	4.05	......	3.93	......	3.79	......	6.22	......	2.96	......	0.92	......	5.64	......	44.21	......
Pleasantville	6.56	+3.36	5.64	+2.74	4.56	+1.15	3.29	−0.13	1.66	−1.52	3.27	−0.23	2.43	−1.63	6.22	+1.56	5.43	+2.46	3.41	+0.08	0.79	−2.03	7.34	+3.41	50.60	+9.22
Runyon	6.08	+3.62	2.70	−0.79	4.13	+1.03	2.68	−1.28	3.04	−0.86	4.57	+1.04	1.88	−3.50	3.48	−1.84	5.42	+1.82	3.20	−0.62	1.22	−1.96	6.64	+3.30	45.04	−0.04
Trenton	6.00	+2.69	2.20	−1.21	3.78	+0.38	2.11	−0.83	3.59	+0.51	2.39	−0.70	1.75	−2.19	4.11	−0.64	4.30	+0.90	2.76	−0.02	0.75	−1.98	5.44	+2.09	39.18	−1.00
Trenton No. 2	7.40	......	2.91	......	4.15	......	2.82	......	4.26	......	2.55	......	1.68	......	4.18	......	5.08	......	2.99	......	0.77	......	6.65	......	45.44	......
Tuckerton	*5.71	+2.04	*4.62	+1.13	2.07	−2.06	2.54	−1.23	1.40	−2.04	2.28	−1.45	6.79	+2.81	2.99	−2.31	5.09	+1.83	2.00	−1.62	0.40	−2.60	5.97	+1.64	41.86	−3.86
Philadelphia, Pa	6.44	+3.14	3.46	+0.03	4.02	+0.63	2.25	−0.80	1.67	−1.59	3.96	+0.72	2.60	−1.55	3.30	−1.32	3.72	+0.58	1.76	−1.05	0.69	−2.01	4.83	+1.40	38.70	−1.82
The Sea Coast.																										
Atlantic City	5.92	+2.43	4.71	+1.23	3.87	+0.27	3.32	+0.33	2.47	−0.58	4.50	+1.46	3.74	−0.19	3.01	−1.48	5.74	+3.09	2.80	−0.90	0.67	−2.15	7.65	+3.71	47.90	+7.22
Long Branch	7.28	+3.14	4.31	+0.18	3.92	−0.25	2.90	−1.37	1.89	−1 96	3.40	−0.46	2.23	−3.62	3.15	−2.33	6.18	+2.99	3.26	−1.13	1.12	−2.44	8.87	+4.72	48.51	−2.53
Sandy Hook	5.78	+1.82	2.60	−1.30	3.40	−0.64	2.25	−1.37	2.05	−1.67	4.25	+0.47	1.66	−3.46	2.98	−2.00	5.78	+2.35	3.77	−0.01	1.19	−2.06	6.97	+2.93	42.68	−4.94

* Interpolated from surrounding stations.

Monthly and Annual Mean Temperatures for the Year 1936, with Departures from the Normal

Stations.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	24.4	−3.0	[b]21.0	−6.9	44.2	+5.6	48.2	−1.4	64.6	+4.2	[c]69.7	+0.8	75.0	+1.8	75.0	+4.2	67.2	+2.2	[d]53.4	−1.7	38.6	−2.8	[b]35.4	+4.6	51.4	+0.6
Charlotteburg	24.8	−2.1	22.8	−3.6	44.4	+8.1	46.3	−0.3	62.0	+4.8	67.2	+2.2	72.4	+2.5	72.4	+4.9	64.7	+2.6	52.5	+1.2	39.2	−1.2	34.7	+4.6	50.3	+2.0
Dover	[a]23.5	−3.2	[a]21.8	−5.1	42.9	+7.0	46.0	−1.4	61.3	+2.9	66.6	−0.2	73.0	+1.6	71.8	+2.7	63.3	+0.9	[a]52.0	+0.6	38.0	−2.4	33.9	+3.8	49.5	+0.6
Layton	21.5	−3.5	18.8	−6.3	41.4	+5.3	45.4	−1.7	60.0	+2.5	66.9	+1.2	72.2	+1.3	71.7	+3.5	63.6	+1.0	50.5	−0.6	35.6	−3.7	32.2	+4.1	43.8	+0.3
Newton	23.8	−2.1	21.4	−5.6	42.7	+6.7	46.0	−2.0	61.9	+2.5	67.2	−0.8	74.1	+1.6	73.0	+2.7	64.6	+0.8	52.6	−0.2	36.8	−4.0	33.2	+3.0	49.8	+0.2
Phillipsburg	[b]24.8	−3.6	22.6	−6.2	[g]43.2	+4.6	46.2	−3.4	62.4	+1.4	69.3	0.0	74.4	+0.5	73.3	+1.6	65.7	+0.4	52.9	−0.8	38.6	−3.2	35.1	+3.6	50.7	−0.4
Sussex	[a]23.8	−3.0	22.0	−4.5	43.8	+6.9	[a]46.4	−2.0	[c]64.6	+5.3	69.8	+3.0	[g]76.0	+4.0	[f]74.8	+5.2	66.8	+2.6	[a]54.2	+1.3	[a]38.5	−2.7	[b]34.0	+4.1	51.2	+1.7
The Red Sandstone Plain.																										
Boonton	.....	.....	22.2	−5.5	42.8	+7.4	46.6	−1.5	61.4	+3.1	66.8	−0.5	72.6	+0.7	72.2	+2.1	64.7	+1.2	52.6	+0.6	39.2	−2.0	35.4	+6.1	.....	.....
Canoe Brook	23.0	.....	20.4	.....	42.5	.....	45.4	.....	60.0	.....	66.0	.....	71.0	.....	71.2	.....	64.4	.....	52.9	.....	38.6	.....	34.7	.....	49.2	.....
Elizabeth	[d]28.6	−1.8	25.6	−5.4	46.2	+6.8	49.8	−1.1	64.2	+2.5	70.3	−0.1	75.4	+0.2	75.4	+2.2	68.0	+1.1	56.2	+0.9	41.9	−1.9	38.2	+4.6	53.3	+0.7
Flemington	26.8	−3.1	24.2	−5.7	46.0	+5.4	49.6	−0.6	65.0	+4.0	70.4	+0.9	76.4	+1.9	76.1	+3.8	68.8	+2.3	56.4	+0.8	41.1	−2.2	37.6	+5.1	53.2	+1.0
Jersey City	29.5	−2.6	26.3	−5.2	46.0	+6.0	47.8	−2.4	63.8	+2.5	70.0	−0.9	76.0	+0.2	75.2	+1.6	67.7	+0.2	57.4	+1.2	42.5	−2.0	39.2	+4.7	53.4	+0.3
Lambertville	26.0	−4.2	23.5	−7.1	44.0	+4.3	47.2	−3.0	62.2	+1.2	68.4	−1.1	74.8	+0.8	74.2	+2.2	66.0	+0.2	53.0	−1.2	38.6	−4.5	37.0	+3.5	51.2	−0.7
Little Falls	26.3	−2.2	24.1	−5.2	44.6	+7.3	47.6	−0.7	63.2	+3.4	68.9	+0.2	74.4	+0.6	74.4	+3.2	67.2	−0.1	55.7	+2.5	40.8	−1.2	37.4	+5.0	52.0	+1.1
Newark	27.7	−2.1	24.4	−4.8	44.4	+5.1	47.4	−2.8	63.5	+2.4	69.2	−0.4	74.9	+0.3	74.2	+1.5	66.6	−0.1	55.8	+0.1	41.4	−2.3	38.0	+4.6	52.3	+0.1
New Brunswick	26.8	−3.5	24.0	−7.0	45.5	+6.3	48.3	−1.4	64.0	+3.6	69.4	+0.2	75.3	−1.3	74.4	+2.4	67.2	+1.4	55.8	+1.1	41.5	−2.1	37.4	+4.0	52.5	+0.3
Paterson	28.1	−1.8	24.8	−5.8	45.0	+5.6	47.9	−2.8	64.6	+3.1	70.0	0.0	75.1	+0.6	74.8	+2.6	67.2	+0.8	55.4	+0.2	41.7	−2.0	37.8	+4.4	52.7	+0.4
Plainfield	27.4	−2.4	24.4	−4.9	45.6	+6.5	48.2	−1.2	63.4	+3.6	69.3	+0.7	75.0	+1.4	74.6	+3.2	66.4	+0.9	55.4	+1.6	40.8	−1.8	37.8	+5.0	52.4	+1.0
Ridgefield	26.0	−2.5	22.6	−6.2	44.4	+7.9	47.2	−0.7	63.0	+3.9	68.8	+1.2	74.4	+1.5	74.1	+3.4	66.6	+1.7	55.0	+2.0	40.4	−1.4	37.0	+5.7	51.6	+1.4
Somerville	27.5	−1.5	26.7	−2.7	45.6	+6.8	47.2	−2.3	62.8	+2.3	68.6	−0.6	73.9	−0.1	73.8	+1.6	66.2	+0.1	55.0	+0.9	39.9	−2.8	36.2	+3.7	51.9	+0.4
New York, N. Y.	29.9	−1.0	26.6	−4.7	45.3	+7.6	47.2	−2.2	62.6	+2.0	68.6	−0.2	74.8	+1.0	74.1	+1.0	67.1	+0.3	57.0	+0.7	42.4	−1.8	39.2	+4.2	52.9	+0.6
The Southern Interior.																										
Belleplain	[c]29.4	−3.6	27.4	−5.1	47.0	+5.5	49.6	−0.9	63.1	+2.5	69.6	+0.7	74.0	+0.6	75.1	+3.0	67.6	+1.3	56.8	+1.3	43.1	−1.3	39.6	+4.5	53.5	+0.7
Bridgeton	28.4	−5.3	26.9	−7.2	48.0	+5.4	49.4	−2.9	64.2	−0.7	70.2	−1.9	74.7	−1.8	75.2	+0.6	67.4	−1.0	57.6	+0.4	42.2	−3.5	39.0	+2.9	53.6	−1.2
Burlington	29.3	−3.7	27.3	−5.0	48.2	+6.9	51.6	−0.4	66.8	+3.9	72.1	+0.4	77.2	+0.4	76.0	+1.6	69.6	+1.9	58.6	+1.7	44.0	−0.7	39.2	+4.3	55.0	+0.9
Camden	28.4	.....	25.2	.....	47.4	.....	50.1	.....	65.8	.....	72.0	.....	76.5	.....	76.0	.....	69.0	.....	57.4	.....	42.8	.....	38.4	.....	54.1	.....
Freehold	26.9	.....	24.4	.....	[i]42.4	.....	.....	.....	[g]64.0	.....	69.6	.....	75.0	.....	74.6	.....	67.0	.....	56.0	.....	41.7	.....	38.6	.....	.....	.....
Hammonton	26.9	.....	26.5	.....	48.4	....	49.8	.....	64.8	.....	71.2	.....	75.3	.....	75.9	.....	68.4	.....	57.6	.....	43.7	.....	39.9	.....	54.0	.....
Hightstown	27.0	−3.1	23.8	−6.5	46.0	+5.2	48.1	−2.3	62.6	+1.8	68.9	−0.2	74.6	+0.5	74.2	+2.3	67.0	+0.3	56.0	+1.1	41.4	−2.1	37.7	+4.9	52.3	+0.2
Indian Mills	29.4	−2.7	26.0	−6.5	47.8	+6.7	49.5	−1.0	64.2	+2.5	69.6	−0.3	73.6	−0.9	74.7	+2.3	68.0	+1.6	57.4	+2.2	42.4	−1.1	38.4	+4.4	53.4	+0.6
Lakewood	28.6	−2.9	25.9	−5.1	46.2	+5.9	49.0	−0.5	64.0	+4.0	69.6	+1.4	74.3	+1.3	[a]73.6	+2.7	66.3	+1.3	56.0	+1.8	42.4	−0.8	39.3	+5.4	52.9	+0.1
Maple Shade	29.0	.....	26.0	.....	48.2	.....	50.2	.....	65.5	.....	71.4	.....	76.0	.....	75.4	.....	68.2	.....	56.8	.....	42.2	.....	37.9	.....	53.9	.....
Moorestown	28.2	−2.7	25.0	−6.8	46.9	+7.1	48.5	−2.0	63.4	+2.2	69.8	−0.4	74.9	+0.2	74.2	+1.7	67.4	+1.1	56.2	+1.3	41.9	−1.0	38.8	+5.1	52.9	+0.5
Pemberton	29.4	.....	25.6	.....	48.4	.....	50.1	.....	64.6	.....	70.4	.....	76.2	.....	75.7	.....	68.8	....	57.8	.....	43.5	.....	39.8	.....	54.2	.....
Pleasantville	29.8	.....	28.2	.....	44.8	.....	48.1	.....	61.2	.....	68.4	.....	73.8	.....	73.8	.....	66.8	.....	57.4	.....	42.6	.....	39.6	.....	52.8	.....
Runyon	27.0	.....	23.8	.....	47.0	.....	48.8	.....	63.6	.....	69.4	.....	74.8	.....	73.0	.....	66.8	.....	[a]54.0	.....	39.4	.....	35.6	.....	51.9	.....
Trenton	27.8	−2.7	24.9	−5.8	46.4	+7.3	48.6	−1.2	64.0	+2.9	69.9	+0.4	76.3	+1.8	74.4	+1.4	67.6	+0.7	56.4	+0.8	41.2	−3.2	37.9	+3.5	52.9	+0.4
Tuckerton	.....	.....	.....	.....	[c]47.0	+5.9	47.6	−2.0	60.1	+0.3	67.8	−1.0	72.5	−1.5	75.0	+2.6	67.0	+0.3	59.6	+3.7	44.0	−0.7	40.4	+5.2	.....	.....
Philadelphia, Pa.	29.9	−2.7	27.6	−6.3	48.3	+7.5	50.2	−1.9	65.8	+2.9	71.8	+0.4	77.3	+1.1	76.0	+1.2	69.5	+1.5	58.6	+0.8	43.5	−2.2	39.6	+3.3	54.8	+0.4
The Sea Coast.																										
Atlantic City	31.2	−1.3	28.8	−4.8	43.8	+5.2	47.6	−0.2	60.4	+2.3	67.2	+0.6	73.8	+1.7	74.2	+1.7	68.1	+1.3	59.4	+2.5	45.1	−0.5	41.2	+4.8	53.4	+1.1
Long Branch	28.0	−3.5	24.8	−6.4	43.5	+4.1	46.8	−1.4	61.0	+3.0	67.9	+0.8	74.6	+2.5	73.8	+3.0	66.8	+0.9	56.3	+0.9	42.4	−1.8	39.5	+5.3	53.4	+0.6
Sandy Hook	29.0	−2.3	24.8	−7.3	42.8	+3.5	47.2	−1.1	61.8	+3.4	68.3	+0.5	74.8	+1.3	74.3	+1.8	67.8	+0.3	57.9	+1.0	43.1	−2.7	39.2	+4.0	52.6	+0.2

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
The Highlands and Kittatinny Valley			*The Southern Interior*		
Belvidere	Apr. 27*	Oct. 27	Belleplain	May 15*	Oct. 27*
Charlotteburg	May 31*	Sept. 26*	Bridgeton	Apr. 24*	do. 27*
Culvers Lake	do. 14	Oct. 26	Burlington	do. 9*	do. 27*
Dover	do. 29	do. 4	Camden	do. 8*	do. 27*
Layton	do. 29	do. 13	Freehold	May 15	do. 27
Newton	do. 15	do. 13*	Hammonton	do. 15	do. 27
Phillipsburg	do. 17*	do. 27	Hightstown	do. 15	do. 27
Sussex	do. 15*	do. 13*	Indian Mills	Apr. 25*	do. 27
The Red Sandstone Plain			Lakewood	do. 27	do. 27
			Maple Shade	May 15	do. 27
			Moorestown	Apr. 25*	do. 28
Boonton	May 15*	Oct. 13*	Pemberton	May 15	do. 27
Canoe Brook	do. 31*	Sept. 26*	Pleasantville	Apr. 25*	do. 27*
Elizabeth	Apr. 25*	Oct. 25	Runyon	May 16*	do. 4*
Flemington	May 15	do. 27	Trenton	Apr. 8*	do. 27
Jersey City	Apr. 8*	do. 27*	Tuckerton	do. 25*	do. 27*
Lambertville	do. 25	do. 22			
Little Falls	May 15	do. 25	*The Sea Coast*		
Newark	Apr. 8*	do. 27			
New Brunswick	do. 25	do. 27			
Paterson	do. 25*	do. 27	Atlantic City	Apr. 8*	Oct. 27*
Plainfield	May 15	do. 15*	Long Branch	do. 23	do. 27
Ridgefield	Apr. 27	do. 25	Sandy Hook	do. 23	do. 27
Somerville	do. 26	do. 27			

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1936

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	27.2	−3.7	59	−15	6.47	+2.90	8.58	4.04	9.1	31.0
February	24.4	−6.3	66	−17	3.10	−0.51	5.64	1.72	9.6	20.1
March	45.3	+6.2	78	−1	5.28	+1.50	9.08	2.07	1.4	7.3
April	48.0	−1.7	90	19	3.23	−0.38	4.55	2.05	0.1	2.0
May	63.2	+2.8	97	28	2.78	−0.95	4.54	0.82	0.0	0
June	69.1	+0.3	96	38	4.93	+1.22	8.13	2.28	0.0	0
July	74.6	+0.9	110	40	2.47	−2.32	6.44	0.94	0.0	0
August	74.2	+2.4	101	44	4.14	−0.61	6.97	2.66	0.0	0
September	66.9	+1.0	94	28	4.30	+0.74	6.90	1.25	0.0	0
October	55.6	+0.9	82	9	3.40	−0.01	4.84	1.76	0.0	0
November	41.1	−2.5	80	3	1.18	−2.00	3.04	0.40	1.3	3.0
December	37.5	+3.8	67	−3	6.29	+2.64	8.87	3.21	0.6	4.0
Year	52.3	+0.3	110	−17	47.57	+2.22	9.08	0.40	22.1	31.0

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLII. JANUARY, 1937. No. 1.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average temperature for the month was the third highest on record, it only being surpassed by that of 1890 and 1932, this latter average of 42.4 degrees being the warmest since 1885. There were no cold spells during any period of the month, the temperature remaining normal or above throughout the entire period. Exceptionally warm periods occurred during the 7-10th, 12-15th, 18-19th and 21st-26th. Maximum temperatures recorded were all in the high sixties or low seventies, with minima mostly in the low twenties, the exceptions being in the Highlands and Kittatinny Valley where all stations recorded below twenty.

This was the fourth wettest January on record, the corresponding month in 1891, 1915 and 1936 being the only months of January having a greater amount than this one. The precipitation was frequent but fell in moderate amounts mostly in the form of rain. The 20th was the only day on which any general fall of snow was recorded, although light amounts fell on other dates in the northern sections of the State. Sleet was unusually prevalent, but light in amount.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 40.3°, which was 9.4° above normal. The highest temperature was 72° at Hammonton on the 9th, and the lowest, 9°, at Layton on the 28th. The greatest daily range of temperature was 39° at Boonton on the 14th. The highest monthly mean temperature was 44.3° at Tuckerton, and the lowest, 32.9°, at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +8.7°; Red Sandstone Plain, +8.9°; Southern Interior, +9.6°; Sea Coast, +10.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 6.30 inches, which was 2.73 inches above normal. The average total snowfall at 20 selected stations was 2.2 inches. The greatest monthly precipitation was 8.31 inches, at Indian Mills, and the least, 4.61 inches at Sandy Hook. The greatest amount of precipitation in any 24 consecutive hours was 2.10 inches at Somerville on the 20th-21st.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands. +2.70 inches; Red Sandstone Plain, +2.81 inches; Southern Interior, +2.93 inches; Sea Coast. +2 18 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 3, 7, 8, 9, 13, 14, 15, 17, 18, 21, 22, 23, 24, 25.

SLEET: 2, 6, 7, 10, 12, 17, 18, 19, 20, 21, 22, 23, 24, 25, 31.

OBITUARY.

It is with regret that the passing away of Mr. Brice E. Riker, Cooperative Observer at Culvers Lake is reported. Mr. Riker assumed the work of keeping meteorological records at Culvers Lake in January, 1902, and had just completed 35 years of faithful and efficient service at the time of his death.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.27	30.78	6	29.60	3	17.2	42	ne.	20	82	81	80	15
Long Branch	30.27	30.85	6	29.53	3	12.0	34	n.	20	78	74	76	26
Ridgefield	30.26	30.82	6	29.58	3		....	....	....	....	....	....	....
Sandy Hook	30.25	30.81	27	29.57	3	15.1	41	sw.	15	82	79	82	27
Trenton	30.27	30.83	6	29.60	3	9.7	31	s	15	86	84	84	31

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	....	....	....	....	....
1886	27.3	60	−10	4.47	....	....	....	....	....
1887	28.4	67	−6	3.86	....	10	....	....	....
1888	25.4	59	−12	4.77	....	9	....	....	....
1889	36.2	60	8	5.68	....	9	....	....	....
1890	41.3	**78**	12	2.29	....	10	....	....	....
1891	34.2	59	10	**6.57**	....	10	10	11	10
1892	29.9	67	−6	5.13	....	10	10	9	12
1893	21.6	54	−21	3.04	....	9	10	10	11
1894	34.2	61	−4	2.34	....	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	....	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	**0.8**	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	**1.50**	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	**20.3**	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	**22.8**	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	**42.4**	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
Period	30.9	78	−34	3.57	7.5	10	11	8	12

Climatological Data for January, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation. .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	36.4^a	+9.0	63	15	17	28	23	6.93	+3.17	0.92	4.0	15	12	2	17	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	37.0	+10.1	65	15	9	28	30	6.64	+3.02	0.75	4.5	17	7	4	20	e.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	....	......	......	16	28	....	5.80	+2.76	0.75	4.5	14	5	13	13	w.	Brice E. Riker.
Dover	Morris	600	53	36.3^b	+9.6	63	15	14	28	25	6.20	+2.20	0.92	4.0	15	4	10	17	......	William C. Harris
Layton	Sussex	480	36	32.9	+7.9	63	15	9	28	28	5.30	+2.32	0.73	7.0	14	5	5	21	ne.	A. M. Depue.
Long Valley	Morris	660	6	34.9	....	62	15	15	28	30	6.79	....	0.85	3.0	17	10	8	13	e.	James E. Rice.
Newton	Sussex	769	54	35.0	+9.1	65	15	12	28	26	4.81	+1.43	0.55	5.2	18	8	3	20	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	36.3	+7.9	64	15	19	28	24	7.16	+3.78	1.04	3.0	15	8	1	22	......	Town Engineer.
Sussex	Sussex	442	42	34.8^a	+8.0	65	15	14	28	25	5.87	+2.90	1.03	3.2	13	10	3	18	......	A. J. W. Mowatt
Means and extremes	......	......	....	35.4	+8.8	65	15	9	28	30	6.17	+2.70	1.04	4.3	15	8	5	18	e.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	36.5	+9.4	64	15	16	28	39	5.66	+2.28	0.97	......	14	5	2	24	ne.	John Kline.
Canoe Brook	Essex	173	7	36.3	....	65	15	12	28	33	6.33	....	0.90	......	15	9	4	18	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	....	......	......	......	......	....	6.99	+3.02	0.90	......	16	8	5	18	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	39.6	+9.2	68	15	22	5†	28	6.69	+2.99	1.00	4.7	19	9	3	19	e.	Union County Park Comm.
Flemington	Hunterdon	140	§51	38.8	+8.9	66	9	20	5†	24	6.39	+2.92	0.87	3.5	16	10	3	18	e.	Hiram E. Deats
Jersey City	Hudson	10	39	40.3	+8.2	65	9†	24	27	24	6.18	+2.48	0.98	4.6	15	5	10	16	n.	S. K. Pearson.
Lambertville	Hunterdon	430	50	38.0	+7.8	65	9	18	28	30	5.97	+2.51	0.76	5.5	15	10	4	17	ne.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	38.0	+9.5	67	11	16	28	31	6.24	+2.57	1.05	3.0	14	11	3	17	w.	Passaic Valley Water Co
Newark	Essex	10	2	39.0	+9.2	66	9†	21	28	25	6.25	+2.47	1.04	3.0	14	3	8	20	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	39.4	+9.1	67	9	20	28	25	5.86	+2.46	0.76	2.5	17	9	5	17	ne.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	....	......	......	......	......	....	6.14	+3.06	0.97	.....	14	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	38.8	+8.9	65	15	19	28	23	6.31	+2.76	0.88	4.5	17	11	4	16	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	38.9	+9.1	66	9	22	5	23	6.43	+2.78	0.98	4.5	13	7	6	18	sw.	S. K. Pearson.
Ridgefield	Bergen	80	20	37.8	+9.3	65	15	19	28	25	6.40	+2.70	0.98	5.1	15	4	10	17	n.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	37.6	+8.6	65	15	18	12†	28	7.70	+4.18	2.10	3.3	9	8	12	11	e.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	....	......	......	......	......	....	6.12	+2.97	0.91	......	14	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	67	40.4	+9.5	65	15	24	27	24	6.01	+2.35	0.96	3.9	15	5	6	20	n.	U. S. Weather Bureau
Means and extremes	......	......	....	38.4	+8.9	68	15	12	28	39	6.35	+2.81	2.10	4.1	15	8	6	17	ne.	
The Southern Interior.																				
Belleplain	Cape May	30	43	43.0	+10.0	70	9	18	5	31	7.73	+4.19	1.47	0	15	6	6	19	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	41.3	+7.6	71	9	24	4†	30	7.48	+4.03	1.35	0	16	6	5	20	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	40.6	+7.6	68	9	22	5	37	5.37	+1.80	0.75	0.4	16	8	3	20	ne.	Public Service G. & E. Co.
Camden	Camden	20	5	40.7	....	68	9	24	17†	27	5.37	....	0.87	T.	15	2	5	24	ne.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	41.0	....	68	9	22	17	28	6.48	+2.52	0.80	2.2	18	9	3	19	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	42.9	....	72	9	23	17	32	6.98	+3.24	1.37	T.	17	3	9	19	e.	J. G. Wilson.
Hightstown	Mercer	110	44	39.9	+9.8	66	9	21	28	26	5.53	+2.06	0.69	3.3	17	6	6	19	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	42.0	+9.9	71	9	20	5	34	8.31	+4.34	1.30	T.	18	2	7	22	ne.	James M. Armstrong.
Lakewood	Ocean	54	33	42.6	+11.1	69	9	22	5	32	5.86	+1.86	0.80	1.0	19	4	6	21	ne.	R. W. Holman.
Maple Shade	Burlington	65	2	40.3	....	68	9	24	17†	36	5.92	....	0.93	T.	20	2	6	23	e.	Richard J. Smith.
Moorestown	Burlington	62	74	40.4	+9.5	68	9	24	28	30	5.95	+2.61	0.89	0.5	19	3	6	22	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	....	......	......	......	......	....	6.73	+3.59	1.49	0	18	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	42.4	....	69	9	25	5†	29	6.25	....	0.97	T.	19	8	3	20	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	43.2	....	70	9	19	5	30	6.85	+3.65	1.45	......	17	5	4	22	w.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	38.9	....	66	14	15	5	38	5.70	+2.24	0.76	......	12	10	4	17	s.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	39.7	+9.2	67	9	23	28	26	5.43	+2.12	0.87	1.7	15	3	8	20	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	....	......	......	......	......	....	6.16	....	0.91	0.5	15	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	44.3	+11.4	70	9	25	5†	36	6.40	+2.73	1.12	0	19	3	4	24	ne.	John H. Brown.
Philadelphia, Pa.	......	26	66	41.4	+8.8	67	9	25	17	26	5.71	+2.41	0.97	0.4	16	2	5	24	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	41.4	+9.6	72	9	15	5	38	6.36	+2.93	1.40	0.6	17	5	5	21	ne.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	43.4	+10.9	61	9	28	27	23	6.88	+3.39	1.59	0	18	0	4	27	n.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	41.7	+10.2	70	9	25	17	29	6.63	+2.49	1.12	2.3	17	4	5	22	ne.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	40.4	+9.1	63	15	28	27	22	4.61	+0.65	0.74	1.5	15	5	5	21	ne.	U. S. Weather Bureau.
Means and extremes	......	......	....	41.8	+10.1	70	9	25	17	29	6.04	+2.18	1.59	1.3	17	3	5	23	ne.	
For the State	......	......	....	40.3	+9.4	72	9	9	28	39	6.30	+2.73	2.10	2.2	16	6	6	19	ne.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-2-8-37-900

Daily Precipitation for January, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.17	.60	....	....	....	.80	....	....	.43	....	....	....	.08	.92	....	.32	.41	....	.53	.30	.25	.36	.30	.70	....	....	....	....	....	.76	6.93
Charlotteburg	Passaic	.05	.20	.75	....	....	....	.60	.03	....	.33	....	....	....	.03	.69	....	.18	.57	....	.52	.45	.38	.32	.27	.55	....	....	....	....	....	.72	6.64
Culvers Lake	Delaware	....	.15	.40	....	....	....	.35	....	T.	.30	....	....	...	T.	.75	....	.05	.45	....	.45	.30	.60	.40	.50	.35	....	....	....	....	....	.75	5.80
Dover	Passaic	....	.23	.47	....	....	....	.70	....	....	.46	....	.03	....	.02	.92	....	.53	.35	....	.40	....	.20	.26	.50	.33	....	....	....	....	....	.80	6.20
Layton	Delaware	....	.20	.24	....	....	....	.11	T.	....	.33	T.	....	....	....	.51	....	.15	.45	....	.56	.16	.73	.38	.46	.52	....	....	....	....	....	.50	5.30
Long Valley	Raritan	...	.10	.65	....	....	. ..	.80	....	.04	.50	.06	....	....	.04	.85	....	.38	.55	....	.30	.21	.11	.33	.38	.68	....	....	....	....	....	.81	6.79
Newton	Delaware	....	.10	.20	....	....	....	.35	.02	.02	.20	T.	.03	....	.04	.55	....	.20	.43	....	.52	.20	.30	.43	.40	.42	....	....	....	....	....	.40	4.81
Phillipsburg	...do	....	.45	.32	....	....	.. .	1.04	...	....	1.01	...	T.	T.	.09	.82	....	.57	.19	....	.52	.24	.25	.18	.32	.51	....	....	....	T.	....	.65	7.16
Sussex	Hudson	....	....	.45	....	....	....	.31	.06	....	.32	....	....	....	.04	.78	....	.11	.57	....	.32	.57	.63	....	1.03	....	....	....	....	....	....	.68	5.87
The Red Sandstone Plain.																																	
Boonton‖	Passaic	.70	....	.68	.07	....	....	.10	.50	T.	.10	.20	T.	....	T.	.53	.20	....	.97	T.	....	.60	.04	.29	....	.68	. ..	....	....	....	....	T.	5.66
Canoe Brook‖	....do	.61	....	.62	.18	....	....	.46	.44	....	.15	.42	....	.. .	....	.49	.17	....	.90	.03	T.	.88	.08	.32	....	.58	....	....	....	....	....	T.	6.33
Chatham‖	....do	.70	....	.57	.35	....	....	.19	.75	.03	.14	.45	T.	....	T.	.48	.69	....	.90	.06	T.	.62	.12	.31	....	.63	....	....	....	....	....	....	6.99
Elizabeth	Coast	.05	.16	.63	.. .	....	....	.76	.02	....	.49	.02	.03	....	.03	.71	....	.32	.62	T.	.60	.25	.12	.27	.11	.50	....	....	....	....	....	1.00	6.69
Flemington	Raritan	T.	.18	.64	....	....	....	.75	.02	....	.67	.09	T	....	T	.68	....	.32	.36	....	.54	.22	.12	.33	.06	.54	....	....	....	....	....	.87	6.39
Jersey City	Coast	....	.22	.52	....	....	....	.72	....	.01	.55	T.	T.	....	T.	.55	....	.50	.38	T.	.72	.12	.07	.25	.32	.27	....	....	....	....	....	.98	6.18
Lambertville	Delaware	....	.24	.36	....	....	....	.30	.60	....	.49	.05	....	....	....	.65	....	.30	.45	....	.60	.15	....	.64	.35	.03	....	....	....	....	....	.76	5.97
Little Falls.‖	Passaic	.55	....	.85	.01	....	....	.40	.27	....	.15	.32	....	....	....	.54	.14	....	1.05	....	....	.85	.08	.34	....	.69	....	....	....	....	....	....	6.24
Newark***	Coast	....	.22	.55	....	....	....	.75	T.	T	.51	T.	T.	T.	T	.54	....	.80	.14	T.	.64	.12	.24	.22	.28	.20	....	...	...	....	....	1.04	6.25
New Brunswick	Raritan	.02	.14	.46	....	....	....	.76	T.	....	.66	.04	T.	....	T.	.60	....	.30	.32	.01	.52	.26	.12	.28	.09	.56	....	....	....	....	....	.72	5.86
New Milford**	Hackensack	....	.29	.53	....	....	....	.58	. ..	....	.34	....	....	....	....	.64	....	.97	.10	....	.60	.15	.27	.18	.32	.23	....	....	....	....	....	.94	6.14
Paterson	Passaic	.03	.19	.69	....	....	....	.66	.03	T.	.40	.04	....	....	T.	.71	....	.33	.82	....	.23	.33	.08	.30	.07	.52	....	....	....	....	....	.88	6.31
Plainfield	Raritan	....	.26	....	....	....	...	.79	....	...	.66	T.	.01	....	.02	.98	T	...	.82	T.	.91	.14	.10	.29	.52	....	....	....	....	....	....	.93	6.43
Ridgefield**	Hackensack	....	.28	.64	....	....	....	.65	....	.01	.48	.02	....	....	T.	.78	....	*	.98	T.	.88	.10	.05	.08	....	.50	....	....	....	....	....	.95	6.40
Somerville	Raritan	....	T.	1.00	....	....	....	....	.90	....	....	.50	....	...	T.	.50	....	....	.60	T.	*	2.10	....	....	....	1.20	....	....	....	....	....	.90	7.70
Woodcliff Lake**	Hackensack	....	.31	.45	....	....	....	.54	....	....	.31	....	....	....	....	.52	....	.91	.16	....	.67	.16	.38	.16	.48	.31	....	....	....	....	....	.76	6.12
New York, N. Y***	Coast	....	.29	.43	....	....	....	.73	....	.01	.53	T.	T.	....	T.	.52	....	.61	.17	T.	.77	.07	.22	.10	.34	.26	....	....	....	....	....	.96	6.01
The Southern Interior.																																	
Belleplain	Tuckahoe	.17	.16	1.47	....	....	....	.74	T.	....	.10	.21	....	....	....	1.18	....	.32	.20	.45	1.27	.16	T.	T.	T	.30	....	....	....	.30	....	.70	7.73
Bridgeton	Delaware	....	1.35	.23	....	....	.65	.23	....	....	.41	....	....	....	....	.88	....	.45	.07	.64	.85	T.	.07	.15	.48	....	....	....	.32	....	.03	.67	7.48
Burlington	Delaware	....	.70	.61	....	....	....	.75	..	....	.25	.18	....	....	....	.70	....	.30	.03	.13	.04	.15	.15	.24	.05	.42	....	....	T.	....	....	.67	5.37
Camden**	. .do	....	.11	.52	....	....	....	.55	T.	....	.53	T.	....	....	T.	.59	....	.52	.02	.23	.87	....	.22	.14	.10	.29	....	....	....	.05	....	.63	5.37
Freehold	Raritan	....	.65	.68	....	....	....	.55	.02	...	.57	.09	....	....	.01	.62	....	.27	.11	.22	.68	.31	.20	.22	.17	.31	....	....	....	....	....	.80	6.48
Hammonton	Mullica	....	.10	1.37	....	....	....	.52	....	....	.49	.10	....	....	....	.73	....	.35	.07	.48	1.05	.08	.07	.12	.14	.33	....	....	T.	.11	....	.87	6.98
Hightstown	Raritan	.06	.11	.44	....	....	....	.58	T.	....	.55	.07	T.	....	....	.69	....	.28	.14	.10	.57	.29	.14	35	.07	.51	....	....	....	....	....	.58	5.53
Indian Mills	Mullica	....	.26	1.30	....	....	....	.57	T.	...	.20	.36	....	....	...	.77	....	.38	.22	.50	.50	1.30	.08	.10	.20	.49	....	....	....	.08	.12	.88	8.31
Lakewood	Metedeconk	.02	.16	.75	.	....	....	.53	....	....	.45	.03	....	...	.08	.35	....	.28	.13	.30	.75	.22	.28	.26	.23	.23	....	....	T.	.01	....	.80	5.86
Maple Shade‖	Delaware	....	.56	.14	....	....	.35	.28	.01	.06	.48	.01	....	....	.21	.42	....	.53	.02	.30	.93	.14	21	.10	.42	....	....	....	T.	.07	....	.68	5.92
Moorestown‖	....do.	....	.70	.. .	....	....	.40	.23	....	.02	.58	.01	....	T.	.09	.50	....	.45	.05	.29	.89	.15	.35	.07	.40	....	....	....	T.	.10	.05	.62	5.95
Northfield	Coast	.06	.09	1.49	....	....	....	.56	T.	. ..	.08	.13	....	....	...	.98	....	.27	.25	.35	1.25	.04	.02	.09	.06	.15	....	....	T.	.18	....	.68	6.73
Pemberton	Delaware	.03	.06	.97	....	....	....	.60	.01	....	.36	.13	....	....	...	.74	....	.27	.17	.35	.72	.10	.14	.22	.18	.39	....	....	....	.07	....	.74	6.25
Pleasantville‖	Coast	.43	....	1.45	.30	....	....	.24	.32	.02	....	.25	....	....	..	...	.95	....	.53	....	.60	1.10	.01	.10	.08	.24	....	....	....	.20	T	.03	6.85
Runyon	Coast	....	....	.46	....	....	....	.64	....	...	.69	....	....	....	....	.74	....	.22	.26	....	.76	...	.15	.27	.05	.72	....	....	....	....	....	.74	5.70
Trenton***	Delaware	.. .	.16	.34	....	....	....	.63	....	....	.52	T.	....	....	T.	.67	....	.55	.03	.09	.83	.04	.30	.21	.17	.27	....	....	T.	T.	....	.62	5.43
Trenton No. 2**	....do	....	.20	.37	....	....	....	.67	....	....	.64	....	....	....	T.	.71	....	.61	.07	.08	.85	.06	.34	.18	.32	.30	....	....	T	T	...	.76	6.16
Tuckerton	Coast	T.	.06	1.12	....	....	....	.51	.. .	.02	.14	.27	....	....	....	.78	....	.41	.24	.51	1.10	.20	.04	.07	.09	.26	....	....	....	.09	.06	.43	6.40
Phila., Pa***	Delaware	....	.15	.46	....	....	T.	.62	T.	T.	.51	....	T.	....	T	.81	....	.56	.01	.24	.95	.02	.23	.10	.11	.23	....	....	T.	.04	....	.67	5.71
The Sea Coast.																																	
Atlantic City***	Coast	....	.07	1.55	....	....	....	.46	T.	.01	.22	.01	....	....	....	1.12	....	.49	.05	.33	1.35	.02	.05	.05	.09	.16	....	....	T	.20	....	.65	6.88
Long Branch**	....do	....	.26	.90	....	....	....	.49	....	....	.56	....	....	....	.01	.62	....	.35	.05	.23	1.12	.09	.31	.09	.32	.17	....	....	...	.01	....	1.05	6.63
Sandy Hook***	....do	....	.16	.48	....	....	....	.54	....	....	.56	....	....	....	T	.40	T.	.31	.05	.07	.40	.07	.20	.09	.38	.16	....	....	....	T.	....	.74	4.61

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for January, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	51	45	45	42	39	35	37	48	53	50	36	43	45	54	63	48	35	46	47	38	37	42	40	31	47	45	41	35	44	44	40	43.4
	Minimum	29	30	37	25	....	20	27	33	38	34	22	29	25	42	47	25	20	35	36	27	25	35	28	23	31	34	23	17	30	25	30	29.4[a]
Charlotteburg	Maximum	56	44	45	44	45	43	38	64	62	56	38	44	51	53	65	53	36	49	47	49	47	48	40	40	49	45	38	40	44	43	43	47.1
	Minimum	34	30	33	22	15	20	22	34	41	33	20	24	25	38	46	28	12	31	36	21	23	37	26	20	31	32	18	9	28	22	22	26.9
Dover	Maximum	50	39	45	36	45	37	38	59	58	48	38	45	46	60	63	....	37	49	49	....	44	45	39	33	49	43	32	33	45	40	39	44.3[b]
	Minimum	31	32	34	25	20	20	26	36	46	32	20	29	26	39	40	22	17	37	31	22	26	37	27	23	32	30	20	14	30	21	31	28.3
Layton	Maximum	51	35	40	42	41	34	34	58	47	50	37	33	42	47	63	48	33	43	45	35	40	37	36	32	48	45	32	32	45	43	35	41.3
	Minimum	22	27	32	20	17	19	22	30	39	30	15	28	18	38	40	22	10	32	30	22	21	34	25	11	30	30	16	9	29	18	23	24.5
Long Valley	Maximum	46	36	48	34	36	36	38	52	60	50	34	42	40	52	62	56	34	50	42	34	42	44	34	32	51	41	31	36	40	42	42	42.5
	Minimum	24	32	40	20	16	18	32	36	36	30	18	30	22	40	34	26	16	38	34	24	32	36	25	21	36	30	16	15	18	21	31	27.3
Newton	Maximum	50	38	45	40	41	36	33	53	60	53	36	46	49	53	65	47	35	48	48	34	43	41	38	40	47	43	33	35	43	42	40	43.7
	Minimum	30	28	32	22	20	19	21	30	41	29	17	25	23	37	42	22	15	32	30	20	21	35	25	25	37	29	19	12	27	22	29	26.3
Phillipsburg	Maximum	50	40	44	36	39	36	35	49	54	49	33	44	43	56	64	45	41	46	44	33	37	41	40	32	46	43	34	33	43	40	39	42.2
	Minimum	31	34	35	26	21	25	31	34	42	33	24	31	28	40	45	27	23	39	33	25	28	35	29	25	33	34	23	19	31	26	31	30.4
Sussex	Maximum	51	...	45	43	39	36	32	47	53	50	42	42	48	52	65	45	33	46	45	36	37	38	38	32	49	44	35	35	42	42	38	42.7[a]
	Minimum	27	....	30	23	20	21	23	32	40	33	18	27	23	38	45	27	16	31	35	21	22	35	29	17	30	32	21	14	29	22	26	26.9[a]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	48	43	46	41	44	38	42	55	60	50	39	46	50	64	57	52	46	51	43	40	46	45	41	40	51	42	37	37	47	43	40	45.9
	Minimum	28	30	33	24	19	20	24	32	35	27	27	26	26	25	41	34	18	22	40	28	23	32	30	24	26	36	23	16	20	26	25	27.1
Canoe Brook§§	Maximum	48	42	47	42	42	39	39	55	64	54	40	47	51	65	58	58	48	53	45	40	40	43	37	42	53	44	37	35	46	42	42	46.4
	Minimum	32	24	33	24	16	22	22	31	37	35	24	25	22	32	44	32	15	22	39	27	23	31	28	23	26	33	16	12	23	18	20	26.2
Elizabeth	Maximum	59	42	49	45	41	36	39	53	66	59	35	49	43	60	68	50	45	55	53	40	39	45	44	35	55	49	42	35	45	44	45	47.3
	Minimum	30	35	40	27	22	27	31	35	47	34	26	29	28	39	49	32	22	43	38	26	30	37	30	26	34	31	24	22	33	29	29	31.8
Flemington	Maximum	57	45	47	45	43	38	38	53	66	57	40	50	48	58	65	50	35	53	52	40	40	44	43	33	52	48	40	35	47	45	42	46.7
	Minimum	33	33	40	28	20	25	28	34	46	36	27	30	27	36	50	31	21	35	39	25	28	35	29	27	32	34	24	20	33	26	29	31.0
Jersey City	Maximum	51	44	49	40	41	40	42	53	65	52	40	49	50	62	65	46	50	54	53	36	45	48	40	39	54	44	33	38	46	46	46	47.1
	Minimum	38	36	38	30	29	27	35	38	48	32	27	33	33	42	42	26	26	45	34	29	32	39	30	27	37	30	24	28	35	33	35	33.5
Lambertville	Maximum	59	56	54	43	40	38	50	62	65	50	46	45	46	64	60	40	43	47	53	40	41	45	40	34	51	47	34	36	44	40	42	46.9
	Minimum	32	39	36	28	24	20	24	34	40	35	26	31	28	34	34	28	20	38	32	25	28	28	26	28	32	30	22	18	24	26	30	29.0
Little Falls§§	Maximum	50	50	47	47	44	35	42	60	67	54	40	48	49	66	59	59	48	52	45	34	44	44	39	43	53	43	38	36	47	45	41	47.4
	Minimum	30	32	34	26	21	24	25	32	41	35	24	27	28	35	44	33	19	25	39	28	23	32	32	23	28	36	21	16	24	24	25	28.6
Newark	Maximum	51	42	49	38	41	36	38	54	66	52	37	46	46	65	66	41	49	54	49	34	45	47	41	35	53	43	32	35	44	42	46	45.7
	Minimum	36	34	37	30	25	26	30	37	48	32	26	31	32	42	41	26	24	47	33	26	29	40	30	25	35	32	24	21	33	28	38	32.2
New Brunswick	Maximum	58	45	50	46	41	37	39	50	67	60	38	47	48	60	66	48	44	55	52	39	40	47	44	33	52	49	39	36	45	41	46	47.2
	Minimum	34	34	40	28	22	25	29	35	47	35	26	28	30	37	48	32	22	43	39	26	30	38	30	26	32	36	23	20	33	26	29	31.7
Paterson	Maximum	58	41	48	45	44	38	37	59	63	54	36	47	46	58	65	50	34	53	51	39	43	45	41	34	53	48	40	35	45	42	41	46.2
	Minimum	37	34	38	26	24	25	27	36	44	34	24	32	30	41	50	31	21	34	39	24	26	39	31	24	32	36	24	19	32	28	29	31.3
Plainfield	Maximum	51	41	48	40	41	36	37	53	66	54	40	49	49	61	65	47	47	54	51	35	41	47	40	34	54	45	35	35	47	47	45	46.3
	Minimum	32	34	38	27	22	26	30	37	46	32	27	28	27	38	47	27	24	44	35	29	31	36	30	27	33	34	24	23	33	27	28	31.5
Ridgefield	Maximum	48	41	47	38	41	36	39	52	64	50	35	46	47	64	65	41	49	53	47	32	40	42	38	34	53	43	32	35	45	40	47	44.6
	Minimum	34	33	34	29	26	25	30	36	48	32	24	31	31	44	41	26	24	45	30	25	28	32	28	24	34	30	24	19	32	26	34	30.9
Somerville	Maximum	56	46	48	46	41	39	38	52	64	54	39	46	52	58	65	48	46	54	50	40	39	42	42	34	52	42	40	36	48	46	43	46.6
	Minimum	33	32	38	26	25	24	26	27	46	35	21	18	25	31	52	30	20	30	29	25	27	30	28	24	30	29	26	18	30	22	26	28.5
New York, N. Y.	Maximum	51	44	50	39	41	40	46	52	64	50	40	49	50	62	65	42	51	54	53	36	47	48	40	40	54	44	32	39	45	45	47	47.1
	Minimum	40	36	37	30	29	27	36	38	49	31	26	34	34	43	42	26	27	45	33	29	33	40	30	27	38	30	24	29	36	34	36	33.8
The Southern Interior.																																	
Belleplain	Maximum	57	46	59	47	43	41	51	53	70	65	44	52	49	64	64	57	49	62	61	40	50	62	61	45	57	56	38	41	48	46	50	52.5
	Minimum	33	32	43	28	18	27	30	41	45	37	29	34	33	33	54	29	22	47	38	32	38	44	30	31	35	34	22	24	35	27	36	33.6
Bridgeton	Maximum	49	49	53	40	41	43	48	59	71	43	41	50	49	65	57	43	60	61	42	46	61	60	34	50	55	40	38	40	49	44	48	49.3
	Minimum	35	40	29	24	27	30	40	44	41	29	32	35	35	47	34	24	31	41	31	31	44	34	30	32	38	25	25	25	28	35	35	33.3
Burlington	Maximum	60	48	49	46	41	38	40	50	68	63	39	49	46	62	67	52	45	59	56	41	45	53	49	34	55	51	41	37	45	43	48	49.0
	Minimum	36	35	43	31	22	27	31	36	48	37	30	33	30	30	30	34	25	25	37	30	32	41	29	29	30	39	26	24	34	29	35	32.2
Camden	Maximum	48	44	47	40	40	37	43	52	68	54	40	52	46	64	66	42	51	58	51	37	47	55	45	37	54	44	35	39	45	40	47	47.4
	Minimum	39	36	37	28	25	28	32	40	48	35	31	35	32	42	44	26	24	46	36	30	34	44	30	30	38	35	26	24	34	31	35	34.0
Freehold	Maximum	59	46	54	46	41	36	48	52	68	59	38	47	48	64	66	50	46	61	54	39	44	55	45	41	53	50	39	37	43	41	47	48.9
	Minimum	33	38	42	29	23	27	29	38	50	36	26	33	29	36	50	31	22	46	37	29	34	41	29	29	36	38	23	23	34	25	33	33.2
Hammonton	Maximum	59	45	56	46	43	41	50	53	72	69	37	51	48	64	64	52	51	62	58	40	49	61	52	36	56	54	39	40	47	40	49	51.1
	Minimum	33	34	45	30	24	26	30	41	49	37	29	35	33	33	52	33	23	51	38	33	40	46	31	31	34	39	24	24	33	28	36	34.7
Hightstown	Maximum	58	42	50	46	39	37	39	49	66	61	38	47	48	61	65	50	45	58	54	39	42	52	44	33	53	52	40	36	44	41	48	47.6
	Minimum	33	34	42	29	23	25	28	36	49	35	27	30	29	38	49	32	22	44	37	28	32	39	29	28	32	36	22	21	32	27	29	32.2
Indian Mills	Maximum	66	43	53	46	42	38	48	51	71	67	54	50	47	61	63	54	44	60	58	43	56	58	48	33	54	54	42	38	45	42	48	50.9
	Minimum	32	34	43	29	20	27	30	35	50	39	28	34	29	32	54	32	23	44	36	32	31	44	32	28	32	38	23	23	33	27	35	33.2
Lakewood	Maximum	59	44	56	46	44	36	51	53	69	59	37	47	47	65	65	51	47	63	58	40	51	56	48	44	55	51	41	38	45	41	48	50.2
	Minimum	34	34	44	30	22	27	32	41	50	37	29	32	31	33	50	33	23	46	39	34	37	47	32	33	40	40	25	25	37	28	38	34.9
Maple Shade	Maximum	48	47	48	40	41	37	44	58	68	59	39	51	48	67	59	41	59	60	50	38	47	55	48	35	55	43	35	38	46	40	48	48.1
	Minimum	38	35	37	30	25	26	28	36	44	38	31	31	31	31	47	36	24	30	43	31	31	38	35	30	30	39	25	24	26	29	30	32.5
Moorestown	Maximum	48	47	50	40	41	38	42	52	68	56	38	49	49	64	67	45	53	60	50	40	47	54	46	38	55	42	35	38	45	40	48	47.9
	Minimum	37	35	39	31	30	28	30	42	48	35	30	31	30	34	45	28	24	36	37	30	33	42	30	30	31	33	25	24	32	29	35	33.0
Pemberton	Maximum	59	44	55	45	43	39	45	53	69	61	39	51	48	64	66	52	47	61	58	40	48	56	51	36	55	51	42	39	46	41	48	50.1
	Minimum	34	37	44	29	25	27	30	39	52	38	29	33	30	35	52	34	25	46	37	32	35	45	30	31	34	39	26	25	34	29	38	34.6
Pleasantville§§	Maximum	51	50	57	51	45	46	52	58	70	58	46	52	46	56	58	55	58	62	54	46	62	46	62	61	57	51	42	42	47	44	49	52.7
	Minimum	33	32	32	30	19	27	28	42	42	45	31	31	35	34	45	29	23	40	45	35	37	44	39	31	37	39	24	25	35	28	31	33.8
Runyon	Maximum	58	44	44	38	38	39	40	58	64	62	38	38	54	66	67	52	54	56	54	38	39	44	44	33	53	50	30	32	45	44	45	47.1
	Minimum	30	42	38	26	15	22	32	38	36	34	21	26	25	54	52	22	16	42	38	29	36	37	32	27	33	28	30	17	22	17	36	30.7
Trenton	Maximum	45	44	49	38	41	36	40	51	67	53	38	47	46	64	66	43	50	57	61	36	53	50	42	36	54	44	34	36	45	40	47	46.2
	Minimum	37	35	36	29	28	29	32	37	51	33	30	33	33	40	43	26	24	45	36	28	33	40	28	27	36	32	26	23	33	30	35	33.2
Tuckerton	Maximum	54	45	57	58	57	45	58	59	70	68	56	51	50	58	60	54	57	60	55	45	56	60	52	45	55	54	40	40	49	50	52	53.9
	Minimum	38	32	40	28	25	25	32	40	40	32	30	32	40	34	46	30	38	42	38	35	38	40	30	35	40	35	34	25	35	32	36	34.7
Philadelphia, Pa.	Maximum	50	44	47	39	41	39	45	52	67	55	37	50	46	63	66	44	51	58	53	38	49	55	47	38	57	45	36	38	48	40	47	47.9
	Minimum	40	36	38	31	31	30	32	40	49	35	32	34	37	41	44	27	25	44	36	30	35	44	31	31	38	34	27	27	35	32	37	34.9
The Sea Coast.																																	
Atlantic City	Maximum	54	46	54	41	45	42	51	52	61	56	40	53	45	53	57	45	52	59	54	44	51	59	47	46	57	47	34	43	45	42	48	49.1
	Minimum	38	39	41	33	38	31	42	42	45	36	33	40	38	45	44	29	29	47	38	38	43	45	32	35	42	33	28	34	36	32	42	37.7
Long Branch	Maximum	50	44	55	38	44	39	49	57	70	55	35	48	44	66	65	40	54	63	50	41	45	55	42	44	54	43	33	40	42	42	49	48.3
	Minimum	36	39	36	29	28	30	38	40	55	34	29	33	32	41	41	27	25	50	36	31	37	42	30	29	43	34	28	29	35	32	39	35.1
Sandy Hook	Maximum	47	43	50	38	41	39	41	51	60	47	35	45	43	61	63	42	52	57	48	40	43	46	40	41	49	43	33	38	42	40	45	45.8
	Minimum	39	38	38	33	33	30	38	40	47	34	29	34	36	42	42	30	30	45	36	29	37	40	31	30	39	33	28	29	35	33	39	35.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

OF THE
APR 21 193
ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLII. FEBRUARY, 1937. No. 2.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average temperature for the month, 34.0 degrees, ranks among the warmest on record, there being only 7 warmer months of February during the 53 years that records have been kept. The highest temperatures were mostly in the sixties and occurred on the 13th at most stations, some maxima were recorded on the 9th, 10th and 21st, however. The minima were recorded during the first decade of the month, varying from 4 to 18 degrees. The lowest temperature recorded during this month, 4 degrees, brings this February into the category of being one of the very few months of February when the minimum temperature did not reach zero somewhere in the State.

The precipitation for the month was below the normal to a considerable extent. The Highlands and Kittatinny Valley region being the wettest of the four sections. The State average was 64% of the normal amount. The percentages for the various subdivisions were as follows: The Highlands, 81%; The Red Sandstone Plain, 61%; Southern Interior, 65%: Sea Coast, 67%. The periods of precipitation were generally during the 1st-2d, 5th, 8-10th, 14-16th, 20th-22d, and25-26th. The snowfall was again this month far below the normal amount as has been characteristic of this Winter. The section of the State along the coast received the heaviest amount during the month. Sleet was practically nil, only a scattered few stations reporting any.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 34.0°, which was 3.3° above normal. The highest temperature was 65° at Belleplain on the 9th, and the lowest, 4°, at Canoe Brook and Layton on the 4th and 6th respectively. The greatest daily range of temperature was 39° at Boonton and Sussex on the 13th and 19th respectively. The highest monthly mean temperature was 38.4° at Tuckerton, and the lowest, 28.6° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +6.7°; Red Sandstone Plain, +6.6°; Southern Interior, +6.6°; Sea Coast, +6.9°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 2.30 inches, which was 1.31 inches below normal. The average total snowfall at 20 selected stations 3.8 inches. The greatest monthly precipitation was 3.61 inches, at Little Falls, and the least, 1.32 inches at Camden. The greatest amount of precipitation in any 24 consecutive hours was 2.70 inches at Charlotteburg on the 22d.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.08 inches; Red Sandstone Plain, +1.37 inches; Southern Interior, +1.74 inches; Sea Coast, +0.94 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 8, 9, 14, 20 and 21.
SLEET: 7, 8, 10, 16.
THUNDERSTORMS: 21, 22.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	8 a. m.	12 noon	8 p. m.	
Atlantic City	30.01	30.41	11	29.38	16	17.1	47	ne.	16	74	66	67	42
Long Branch	29.99	30.40	19	29.32	14	13.4	44	nw.	2	69	57	58	51
Ridgefield	29.98	30.41	19	29.32	14	...	....	....	....	....	....	....	....
Sandy Hook	29.98	30.41	19	29.31	14	16.4	57	w.	26	78	68	71	47
Trenton	30.00	30.40	19	29.37	14	11.0	34	se.	22	74	62	64	56

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	**39.9**	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4..42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	**−31**	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
Period	30.7	80	−31	3.61	8.8	9	11	7	10

Climatological Data for February, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	33.8^{e}	+5.9	61	13	12	4	32	2.66	−0.90	1.73	1.5	6	16	5	7	......	Miss C. S. Hixson.
Charlottehurg‡‡	Passaic	719	45	32.3	+5.9	62	13	8	4	36	3.41	−0.28	2.70	3.5	7	15	2	11	ne.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	10	3†	....	2.02	−0.94	1.15	3.5	3	10	13	5	nw.	Frances Drake.
Dover	Morris	600	53	31.6	+4.7	61	13	10	4	33	2.47	−1.30	1.37	2.5	9	7	14	7	......	William C. Harris
Layton	Sussex	480	36	28.6	+3.5	61	13	4	4	35	2.48	−0.51	1.35	2.7	7	10	4	14	nw.	A. M. Depue.
Long Valley	Morris	660	6	30.6	......	60	13	6	3†	36	1.81	....	0.90	1.0	7	10	10	8	n.	James E. Rice.
Newton	Sussex	769	54	31.2	+4.2	61	13	13	11	30	2.76	−0.39	1.74	5.0	8	11	3	14	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	32.0	+3.2	54	13	14	4	26	2.83	−0.48	0.98	4.0	8	5	11	12	......	Town Engineer.
Sussex	Sussex	442	42	32.2	+5.7	58	19	9	4	39	3.10	−0.14	2.05	3.1	6	14	5	9	......	A. J. W. Mowatt
Means and extremes	......	......	....	31.5	+4.7	62	13	4	4	39	2.62	−0.62	2.70	2,9	7	11	7	10	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	35.0	+7.3	59	14	12	4†	39	2.35	−0.95	1.31	......	7	14	3	11	nw.	John Kline.
Canoe Brook	Essex	173	7	31.3	......	60	14	4	6	37	2.96	....	1.37	......	8	11	11	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	2.47	−1.40	1.10	2.5	9	9	9	10	......	Paul Molitor. Sr.
Elizabeth	Union	45	58	34.6	+3.6	57	13	14	3	30	1.84.	−2.02	1.16	3.0	10	18	1	9	w.	Union County Park Comm.
Flemington	Hunterdon	140	§51	35.2	+5.3	61	13	13	4	33	1.85	−1.47	1.07	1.8	10	20	2	6	nw.	Hiram E. Deats
Jersey City	Hudson	10	39	35.2	+3.7	58	13	14	3†	23	2.00	−1.93	0.88	3.4	8	6	12	10	nw.	S. K. Pearson.
Lamhertville	Hunterdon	430	50	32.8	+2.2	55	13†	12	4	31	1.90	−1.48	1.04	4.0	9	17	5	6	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	33.8	+4.5	62	13	11	4	33	3.61	−0.19	2.13	1.1	10	14	7	7	w.	Passaic Valley Water Co
Newark	Essex	10	2	34.2	+5.0	58	13	15	3†	24	1.88	−1.73	0.75	2.1	8	4	13	11	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	34.6	+3.6	57	13	13	4	30	1.45	−1.92	0.77	2.5	9	14	6	8	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	2.17	−1.02	0.80	......	5	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	34.6	+4.0	58	13	13	3†	27	2.15	−1.83	1.58	1.9	7	18	3	7	nw.	J. R. Cahill. Evening News.
Plainfield	Union	120	49	34.3	+5.0	60	13	14	4	31	2.04	−1.71	1.20	2.8	9	9	6	13	nw.	S. K .Pearson.
Ridgefield	Bergen	80	20	33.5	+4.7	57	13	14	2†	24	2.03	−1.87	1.10	2.3	5	6	15	7	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	33.6	+4.2	60	13	11	4	30	2.60	−0.85	0.80	2.8	6	15	8	5	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	2.12	−1.20	0.99	......	5	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	10	67	34.9	+3.6	56	13	13	3	21	1.87	−1.95	0.82	3.6	8	6	11	11	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	34.0	+4.4	62	13	4	6	39	2.21	−1.44	2.13	2.5	8	13	7	8	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	36.0	+3.0	65	9	10	4	30	2.85	−0.96	0.66	3.5	8	12	8	8	nw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumherland	30	54	34.4	+0.3	63	9†	16	3	31	2.81	−0.41	0.79	1.8	9	11	6	11	nw.	Bennett K. Matlack
Burlington	Burlington	12	§51	36.5	+4.2	60	21	16	4	29	1.81	−1.51	0.65	1.2	9	14	5	9	n.	Public Service G. & E. Co.
Camden	Camden	20	5	35.2	......	60	21	18	4	26	1.32	....	0.45	4.5	10	6	10	12	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	34.1^{d}	......	59	13	13	4	27	2.14	−2.00	0.98	6.5	7	19	1	8	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	36.0	......	63	9	15	4	37	2.68	−0.56	0.80	5.8	10	8	11	9	nw.	J. G. Wilson.
Hightstown	Mercer	110	44	34.8	+4.5	58	21	13	4	28	1.63	−1.76	0.81	3.7	11	9	11	8	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	34.6	+2.1	59	9	15	18†	31	2.80	−0.87	1.02	5.5	10	7	11	10	nw.	James M. Armstrong.
Lakewood	Ocean	54	33	35.8	+4.8	57	13	15	4	28	1.56	−2.33	0.50	7.0	11	10	6	12	w	R. W. Holman.
Moorestown	Burlington	62	74	35.6	+3.8	60	21	16	4	25	2.06	−1.19	0.85	4.7	8	8	10	10	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	2.32	−0.52	0.50	7.5	11	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	36.8	......	62	21	16	4	31	2.43	....	1.06	2.4	9	11	7	10	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	34.2	......	62	9†	14	4	30	3.38	+0.48	0.72	......	12	12	4	12	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	30.6	......	52	13	10	28	32	1.72	−1.77	0.88	......	5	19	4	5	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	34.5	+3.8	58	21	16	14	24	1.52	−1.89	0.63	2.9	10	7	11	10	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	1.93	....	0.63	4.3	9	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	38.4^{d}	+6.0	58	9	14	11	29	2.14	−1.35	0.54	0.5	8	7	6	15	n.	John H. Brown.
Philadelphia, Pa	......	26	66	35.8	+1.9	60	21	20	26	24	1.66	−1.66	0.45	4.1	10	7	7	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	35.2	+3.6	65	9	10	4†	37	2.18	−1.19	1.06	4.1	9	11	7	10	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	36.0	+2.4	57	9	18	26	20	3.05	−0.31	0.91	7.0	12	4	8	16	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	34.5	+3.3	56	13	16	3	28	2.21	−1.92	0.82	4.1	9	5	10	13	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	34.6	+2.5	54	13	17	3	20	2.26	−1.49	1.26	4.2	7	4	10	14	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	35.0	+2.7	57	9	16	3	28	2.51	−1.24	1.26	5.1	9	5	9	14	w.	
For the State	......	......	....	34.0	+3.3	65	9	4	4†	39	2.30	−1.31	2.70	3.8	8	11	7	10	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to he included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlottehurg is Newfoundland.

W. B. O. Philadelphia-4-7-37-900

Daily Precipitation for February, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware								.06	.11					.45							.15	1.73			.16							2.66
Charlotteburg	Passaic					.03			.03	.10					.35							.10	2.70			.10							3.41
Culvers Lake	Delaware					.15			T.	.20					.45	T.						T.	1.15			.07							2.02
Dover	Passaic		T.			.15			.03	.10	.01				.39	T.					*	.36	1.37			.06							2.47
Layton	Delaware	T.	T.			.16			.09	.22					.38							.17	1.35			.11							2.48
Long Valley	Raritan		T.			.30			.04	.11	T.				.24	T.						.12	.90			.10	T.						1.81
Newton	Delaware	.02	T.			.22			.05	.12	T.				.28	T.						.08	1.74			.25	T.						2.76
Phillipsburg	...do		T.		T.	.26			.05	.52	.04				.34	T.	T.				T.	.34	.98	T.		.30	T.	T.					2.83
Sussex	Hudson					.18				.34					.36							.04	2.05			.13							3.10
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	.65	T.			.03	T.			.01	.03				.31	.01						T.	1.31			T.							2.85
Canoe Brook‖‖	...do	.91	T.			.11	.04			T.	.09				.38	T.		T.				.04	1.37			T.	.02						2.96
Chatham‖‖	...do	.89	T.	T.		.08	.11			.10	.08				.03			T.				.05	1.10			T.	.03						2.47
Elizabeth	Coast	.02	T			.12			.03	.06	.03				.36		T.	T.				.03	1.16	.01		.02	T.	T.					1.84
Flemington	Raritan		T.			.11			.04	.07	.09				.33		.04	.03				.09	1.07	T.		.03		T.					1.85
Jersey City	Coast	T.	T.			.19			T.	.04	.01				.67		.01					.03	.88	T.		.17	T.	T.					2.00
Lambertville	Delaware	.04				.09				.12					.33		.11	.03				.08	1.04			.06							1.90
Little Falls.‖‖	Passaic	.89				.10	.01			.03	.06				.35	.01						.02	2.13			.01	T.						3.61
Newark***	Coast		T.			.08			.01	.03	T.				.44		.01				T.	.46	.75	T.		.10	T.	T.					1.88
New Brunswick	Raritan	.01	T.			.08			.02	.06	T.				.28		.04	T.				.09	.77			.10	T.						1.45
New Milford**	Hackensack					.12				.10					.43							.72	.80										2.17
Paterson	Passaic	T.				.07			.03	.08	.01				.24		T.					.14	1.58			T.							2.15
Plainfield	Raritan		T.			.07			.02	.06	.01				.35	T.	.01					.21	1.20	T.		.11	T.	T.					2.04
Ridgefield**	Hackensack		T.			.18			T.	T.	T.				.45	T.	T.					.25	1.10			.05							2.03
Somerville	Raritan					.50	T	T.		.30					.40		T.					*	.80			.60	T.						2.63
Woodcliff Lake**	Hackensack					.10				.10					.43							.50	.99										2.12
New York, N. Y***	Coast		T.			.18			T.	.04	.01				.64		.01				T.	.23	.60	T.		.16	T.	T.					1.85
The Southern Interior.																																	
Belleplain	Tuckahoe	T.				.20			.71	T	T.				.66		.10	.20					.55		.11	.05							2.28
Bridgeton	Delaware				.10			.52		.23				.79			.52				.06	.52		.04		.03							2.81
Burlington	Delaware					.08			.10	.12	.09				.46		.08					.15	.65			.08							1.81
Camden**	...do				T	.04			.12	.11	.01				.45		.26				.03	.06	.15			.09		T.					1.32
Freehold	Raritan					.15			.13						.55		.15					.06	.98			.12							2.14
Hammonton	Mullica		T.			.14			.52	.10	.07				.49		.22	.20				.06	.80		T.	.08		T.					2.68
Hightstown	Raritan	.01	T.			.13			.06	.07	.03				.32		.08	.02				.05	.81			.05	T.	T.					1.63
Indian Mills	Mullica			T.		.22			.28	.11	.05				.63		.35	.05				.05	.97			.09							2.80
Lakewood	Metedeconk	.02				.29			.10	.08	.03				.10		.22	.04				.10	.50			.08							1.56
Moorestown‖‖	Delaware				.07	T.		.12	T.	.14				.48	T.		.30				.07	.85				.03							2.06
Northfield	Coast	T.				.23			.50	.05	.06				.43		.43	.10			T.	.02	.36		.08	.06							2.32
Pemberton	Delaware		T.			.16			.13	.04	.04				.49		.35	.05					1.06			.11							2.43
Pleasantville‖‖	Coast	.72				.10	.15		.46		.15				.51	.02	.02	.61				T.	.45		.07		.12	T.					3.38
Runyon	Coast					.08									.50		.14						.88			.12							1.72
Trenton***	Delaware		T.			.12		T.	.07	.09	.01				.36	T.	.12				.05	.25	.38			.07	T.	T.					1.52
Trenton No. 2**	...do		T.			.12			.06	.07	T.				.38		.16				.04	.37	.63			.10	T.						1.93
Tuckerton	Coast					.02	.02	T.	.43	.02	.04				.42		.21					.02	.54			.42							2.14
Phila., Pa***	Delaware				T.	.05			.14	.09	.02				.45		.33				.03	.16	.29			.10							1.66
The Sea Coast.																																	
Atlantic City***	Coast					.36		T.	.47	.09	.04				.55	T	.91	T.			.03	.12	.34	.08	.02	.04		T.					3.05
Long Branch**	...do					.24			.07	.04	.02				.47	T.	.25				T.	.29	.82			.01	T.	T.					2.21
Sandy Hook***	...do		T.			.12			T.	.04					.54		.12				T.	.28	.98			.18	T.	T.					2.26

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace, or less than 0.01 inch.

Daily Temperatures for February, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	42	37	33	32	34	39	41	35	42	43	31	47	61	49	42	42	45	39	53	51	53	54	45	43	35	37	34	40	....	....	....	42.1
	Minimum	31	23	15	12	25	25	23	31	33	29	17	20	29	39	....	....	....	....	....	25	37	34	25	27	25	15	31	18	....	....	....	25.6
Charlotteburg	Maximum	40	34	38	32	30	36	36	36	52	40	42	49	62	53	56	39	43	42	52	53	46	52	43	42	39	34	38	38	....	....	....	42.8
	Minimum	27	17	9	8	20	18	24	28	30	26	19	16	31	35	32	24	17	13	19	17	35	34	23	22	17	9	28	13	....	....	....	21.8
Dover	Maximum	40	27	30	30	31	36	39	33	49	39	30	47	61	50	41	36	42	38	53	48	48	50	44	41	35	34	36	35	....	....	....	40.1
	Minimum	27	16	11	10	24	20	24	29	33	26	15	17	34	38	25	29	20	18	20	23	37	30	23	25	21	14	21	16	....	...	....	23.1
Layton	Maximum	30	30	20	26	30	30	30	31	42	37	38	40	61	47	41	38	32	34	35	48	46	55	35	35	32	31	33	35	....	....	....	36.5
	Minimum	24	16	9	4	22	25	13	28	30	14	24	12	26	30	24	28	17	13	17	17	24	31	18	18	17	14	25	14	....	....	....	19.8
Long Valley	Maximum	40	26	26	34	30	40	41	35	47	34	30	50	60	48	42	33	40	40	51	45	49	42	45	45	40	34	41	42	....	....	....	40.4
	Minimum	26	18	6	6	20	14	21	27	26	23	10	14	24	40	25	24	16	16	17	20	35	26	20	22	21	12	26	26	....	....	....	20.8
Newton	Maximum	39	32	29	28	32	36	40	34	45	40	31	47	61	49	40	37	42	37	53	49	48	52	42	41	34	34	35	37	....	....	....	40.1
	Minimum	28	15	9	7	21	22	24	26	28	24	13	17	33	33	23	26	17	18	24	26	32	30	22	23	22	22	25	14	....	....	....	22.8
Phillipsburg	Maximum	39	28	31	30	33	35	39	35	43	39	30	46	54	44	40	36	41	37	48	43	53	53	42	39	32	33	36	34	....	...	....	39.0
	Minimum	27	19	17	14	26	26	26	32	36	30	19	20	28	31	27	29	22	22	23	25	38	31	24	28	21	15	29	18	....	....	....	25.1
Sussex	Maximum	38	34	28	28	32	38	35	33	42	42	34	48	57	51	40	39	42	40	58	55	49	53	44	43	42	35	36	35	....	....	....	41.1
	Minimum	28	21	11	9	24	25	21	28	31	27	16	18	32	34	25	28	17	18	19	22	35	33	24	25	22	15	30	15	....	....	....	23.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	41	34	32	32	32	37	40	37	48	40	32	47	59	46	43	34	44	40	53	40	52	41	45	42	37	31	37	37	....	....	....	47.5
	Minimum	31	23	13	12	12	20	21	30	31	31	17	16	20	32	28	28	19	18	21	23	27	31	23	26	22	18	21	17	....	....	....	22.5
Canoe Brook§§	Maximum	44	31	34	32	33	38	41	38	49	43	32	48	60	51	44	34	46	40	55	48	51	42	46	44	37	36	39	37	....	....	....	41.9
	Minimum	27	22	13	11	18	4	17	30	31	30	16	14	24	37	25	22	17	13	16	18	28	34	19	21	18	15	23	17	....	....	. ..	20.7
Elizabeth	Maximum	46	39	33	31	33	38	40	39	48	46	37	49	57	50	45	49	44	41	53	47	50	50	47	42	39	38	42	35	....	....	....	43.1
	Minimum	31	24	14	15	27	20	27	32	35	32	18	19	31	40	28	28	22	22	24	26	40	35	25	29	25	17	30	19	....	....	....	26.2
Flemington	Maximum	46	38	38	37	33	40	43	40	47	46	37	49	61	51	48	38	49	43	56	47	55	55	48	48	40	40	40	36	....	....	....	44.6
	Minimum	33	24	16	13	26	21	27	31	34	29	18	21	29	37	28	29	23	21	23	25	37	33	23	28	26	16	30	18	....	....	....	25.7
Jersey City	Maximum	44	34	34	34	37	39	41	42	50	44	34	45	58	52	45	38	43	42	53	50	52	51	45	45	40	38	39	34	....	....	....	43.0
	Minimum	34	16	14	14	26	25	29	33	39	30	19	25	35	35	29	30	23	28	32	34	43	33	27	32	24	21	22	18	....	....	....	27.5
Lambertville	Maximum	44	32	30	32	36	38	41	47	40	38	34	47	55	50	44	34	38	40	48	50	55	53	46	43	36	35	38	41	....	....	....	41.6
	Minimum	26	23	13	12	18	22	28	32	26	28	17	22	32	35	28	26	20	25	28	30	40	22	24	26	25	14	18	16	....	....	....	24.1
Little Falls§§	Maximum	43	34	35	34	39	40	41	39	50	43	34	49	62	52	52	35	45	40	55	48	53	43	47	45	38	38	38	39	....	....	....	43.2
	Minimum	31	23	12	11	18	17	26	31	32	30	18	18	32	38	27	28	21	18	22	25	33	36	26	27	24	18	24	17	....	....	....	24.4
Newark	Maximum	42	27	34	30	32	36	40	38	49	41	32	48	58	52	44	37	43	40	52	49	51	50	44	43	40	37	40	34	....	....	....	41.5
	Minimum	28	17	15	15	28	27	30	38	36	27	20	24	35	34	28	31	23	25	28	30	40	30	27	32	23	20	23	20	....	....	....	26.8
New Brunswick	Maximum	46	39	33	31	32	38	40	32	49	47	37	48	57	53	44	41	43	41	53	50	56	53	47	43	40	36	37	36	....	....	. ..	43.1
	Minimum	32	24	15	13	27	20	27	32	35	31	18	18	32	39	28	29	21	23	25	25	39	35	24	30	25	16	30	18	....	....	....	26.1
Paterson	Maximum	42	37	32	31	33	38	40	37	50	49	35	49	58	50	42	42	42	41	53	47	50	50	47	43	39	37	40	37	....	....	....	42.5
	Minimum	33	23	13	13	27	25	29	31	34	31	18	22	36	32	28	30	22	23	26	28	38	37	27	30	27	19	31	13	....	....	....	26.6
Plainfield	Maximum	44	35	35	32	33	40	42	37	47	45	34	48	60	52	45	38	47	40	53	48	52	52	46	45	40	40	40	35	....	....	....	43.0
	Minimum	33	20	15	14	28	21	27	31	35	30	19	19	29	35	28	28	22	22	24	26	40	32	23	28	25	19	27	18	...	....	. ..	25.6
Ridgefield	Maximum	42	27	35	34	34	39	40	39	48	42	32	48	57	50	33	36	43	40	50	47	50	50	46	43	39	39	38	35	...	....	....	41.3
	Minimum	26	14	14	15	26	22	28	34	36	28	20	25	36	33	29	30	23	22	26	27	39	30	27	29	21	19	22	18	....	....	....	25.7
Somerville	Maximum	44	36	34	32	33	38	40	39	46	46	40	49	60	53	44	40	44	42	53	50	53	54	45	42	40	38	39	36	...	....	....	43.2
	Minimum	26	22	13	11	15	21	26	31	23	32	15	20	32	42	26	27	21	21	23	24	34	33	22	27	24	14	31	15	....	....	....	24.0
New York, N. Y	Maximum	43	27	34	35	37	38	40	43	50	42	34	46	56	51	43	38	41	43	53	50	51	50	45	44	39	36	39	34	....	....	....	42.2
	Minimum	27	16	13	14	27	26	30	33	40	26	19	27	37	34	29	30	23	29	34	36	44	33	28	33	23	21	22	18	....	....	....	27.6
The Southern Interior.																																	
Belleplain	Maximum	49	43	35	34	32	41	46	49	65	56	35	50	57	53	50	44	40	42	51	46	60	56	49	46	41	37	39	39	....	....	....	45.
	Minimum	34	23	17	10	25	18	29	34	41	33	17	23	31	40	28	31	21	16	21	21	40	32	21	30	21	17	28	31	....	.. .	....	26.
Bridgeton	Maximum	39	32	36	33	34	38	44	58	63	40	36	51	55	51	49	36	43	43	50	49	63	43	50	42	40	36	39	30	....	....	....	43.
	Minimum	24	18	16	21	20	25	26	35	32	18	22	31	38	28	32	21	19	24	25	32	33	26	31	28	18	26	19	17	....	....	....	25.
Burlington	Maximum	46	39	33	34	34	40	41	41	49	49	40	49	57	53	49	50	43	46	52	52	60	57	49	47	45	37	37	36	....	....	....	45.
	Minimum	36	26	18	16	28	25	29	32	37	33	20	23	29	40	30	29	23	20	23	25	39	31	26	33	27	18	32	29	....	....	....	27.
Camden	Maximum	43	33	34	34	34	40	42	41	51	41	34	49	57	54	50	36	41	41	50	46	60	57	47	42	36	36	38	31	....	....	....	42.
	Minimum	32	22	19	18	28	27	31	32	39	30	21	26	34	36	30	30	23	21	24	26	40	32	30	33	22	20	30	20	....	....	....	27.
Freehold	Maximum	43	37	32	32	32	40	....	....	....	....	38	48	59	53	45	41	43	41	51	49	57	53	48	41	38	36	38	32	....	....	....	42.
	Minimum	32	24	15	13	27	18	....	....	....	....	18	23	32	39	28	29	20	19	25	28	40	35	26	31	26	15	32	15	....	....	....	25.
Hammonton	Maximum	48	34	35	37	32	42	44	46	63	51	32	51	60	52	51	45	41	42	54	49	62	57	50	45	41	36	39	37	...	....	....	45.
	Minimum	33	25	19	15	26	20	32	34	44	32	19	23	23	38	29	30	21	16	21	22	41	35	25	32	24	17	29	18	....	....	....	26.
Hightstown	Maximum	48	39	36	34	36	38	41	39	48	48	35	47	56	52	45	43	43	40	52	49	58	54	47	44	38	36	38	35	....	....	....	43.
	Minimum	31	25	16	13	27	18	26	32	35	32	19	22	32	36	28	29	21	20	24	25	40	35	26	31	26	16	30	17	....	. ..	....	26.
Indian Mills	Maximum	47	38	32	33	30	40	41	44	59	52	34	51	57	51	50	46	40	40	52	48	58	53	49	45	38	34	38	35	....	....	....	44.
	Minimum	33	25	18	20	27	21	30	33	33	33	19	20	27	39	29	30	18	15	20	21	41	35	23	23	24	16	18	15	....	....	....	25.
Lakewood	Maximum	48	37	33	32	33	36	41	43	54	52	37	50	57	53	48	45	41	41	49	47	56	53	49	44	40	36	39	34	....	....	....	43.
	Minimum	34	26	17	15	28	23	29	35	40	34	21	22	30	39	30	31	23	17	23	24	42	36	27	33	28	18	31	17	....	....	....	27.
Moorestown	Maximum	50	33	35	34	35	39	41	42	51	42	32	49	56	53	49	38	42	41	51	48	60	48	48	42	35	36	39	33	....	....	....	42.
	Minimum	32	24	19	16	28	26	30	33	36	31	20	24	33	38	30	31	22	29	23	26	47	35	32	33	26	19	31	19	....	....	....	28.
Pemberton	Maximum	45	41	36	36	33	41	43	42	50	50	38	51	60	53	50	48	44	42	54	51	62	57	50	47	41	38	39	37	....	....	....	45.
	Minimum	35	25	18	16	28	22	30	32	37	34	20	24	30	38	30	30	23	19	23	25	41	36	26	33	27	17	31	28	....	....	....	27.
Pleasantville§§	Maximum	47	34	35	33	32	38	46	49	62	62	34	51	52	53	51	40	39	41	46	45	54	44	51	38	40	35	39	30	....	....	....	43.
	Minimum	34	25	19	14	15	19	21	34	37	34	19	21	27	39	28	33	22	17	21	22	29	36	22	31	27	13	19	17	....	....	....	24.
Runyon	Maximum	46	34	31	30	28	38	37	38	44	38	34	44	52	50	40	30	38	36	44	43	37	35	36	37	34	37	35	36	....	....	....	37.
	Minimum	26	20	17	12	26	22	27	27	35	22	14	12	30	40	30	25	20	17	18	19	35	35	28	22	18	14	28	10	....	....	....	23.
Trenton	Maximum	43	32	34	34	33	39	43	41	50	41	32	48	56	52	47	36	44	41	52	48	58	42	48	43	35	35	38	32	....	....	....	42.
	Minimum	28	20	18	16	27	26	30	33	37	27	20	25	34	33	29	30	24	29	28	30	40	30	28	32	21	18	25	19	....	....	....	27.
Tuckerton	Maximum	....	....	....	....	32	45	52	45	58	52	43	56	52	54	51	53	45	50	50	49	54	52	51	49	50	45	41	40	....	....	....	48.
	Minimum	....	....	....	....	18	18	32	33	40	33	14	30	34	34	33	35	21	27	25	27	38	35	32	31	35	20	15	18	....	....	....	28.
Philadelphia, Pa	Maximum	44	32	3	33	35	39	43	41	54	42	33	48	55	51	50	41	44	40	50	46	60	56	47	43	34	37	38	33	....	....	....	43.
	Minimum	30	22	20	20	29	28	33	34	39	26	20	27	36	32	30	30	25	30	33	34	40	32	31	33	21	20	26	22	....	....	....	28.
The Sea Coast.																																	
Atlantic City	Maximum	49	35	36	37	33	38	46	47	57	42	33	46	47	51	49	43	39	41	46	43	50	52	47	40	38	36	38	31	....	....	....	42.
	Minimum	33	22	20	19	29	25	34	38	42	30	21	33	40	37	30	29	25	29	31	33	40	32	32	34	21	18	30	22	....	....	....	29.
Long Branch	Maximum	43	31	34	28	33	37	42	40	51	41	31	52	56	54	45	36	42	40	47	47	51	53	45	42	40	38	39	32	....	....	....	41.
	Minimum	32	19	16	18	27	26	29	36	37	30	20	24	38	33	29	30	25	25	29	28	43	30	27	28	21	18	27	18	....	....	....	27.
Sandy Hook	Maximum	41	29	33	31	33	36	39	39	47	41	31	47	54	49	43	36	41	38	47	45	47	49	43	41	39	36	38	32	....	....	...	40.
	Minimum	29	20	17	20	30	29	31	35	37	29	21	27	38	35	30	31	27	31	32	33	41	32	31	34	24	20	25	22	....	....	....	29.

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. MARCH, 1937. No. 3.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

March was a featureless month, although the average temperature of 35.8 degrees brought it into the category of being one of the coldest on record since 1885, the beginning of the records. There were nine months of March which were colder than this one, 1885, with 30.4 degrees being the coldest. The highest temperatures were mostly in the low sixties and occurred generally on the 4th, although at a few stations they were recorded on other dates. The minima, varying from 7 to 22 degrees, were practically all recorded during the first decade of the month.

Precipitation was below normal. The rainfall was well distributed, all four sections of the State receiving about the same amount. The monthly amounts, in percentages of the normal, for the various subdivisions were as follows: The Highlands, 76%; Red Sandstone Plain, 73%: Southern Interior, 73%; Sea Coast, 72%; State, 73%. The heaviest precipitation was recorded on the 15-16th and the 20th-21st; lighter amounts fell on the 8-9th, 11th, 13-14th, 18-19th and 25th. Inconsequential amounts were recorded on a number of other dates. The snowfall approached the normal, the first month to do so during this snowfall year of 1936-37. Some stations in the northern portion of the State, reported as much as 15 inches on the 15-16th, the southern half of the State, of course, reported lighter amounts although goodly amounts were recorded in the southwestern section. Sleet was negligible in amount. F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 35.8°, which was 3.3° below normal. The highest temperature was 66° at Burlington on the 5th, and the lowest, 7°, at three stations on the 1st or 12th. The greatest daily range of temperature was 42° at Canoe Brook on the 4th. The highest monthly mean temperature was 40.0° at Atlantic City, and the lowest, 28.6° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +3.1°; Red Sandstone Plain, +3.4°; Southern Interior, +3.3°; Sea Coast, +4.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 2.75 inches, which was 1.03 inches below normal. The average total snowfall at 20 selected stations 4.3 inches. The greatest monthly precipitation was 3.79 inches, at Pleasantville, and the least, 1.94 inches at Boonton. The greatest amount of precipitation in any 24 consecutive hours was 1.53 inches at Long Branch on the 15th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +1.23 inches; Red Sandstone Plain, +0.35 inch; Southern Interior, +0.70 inch; Sea Coast, —0.15 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 8, 11, 12.
SLEET: 14, 15, 16, 20, 25.
THUNDERSTORMS: 9, 14, 20, 21, 25, 26.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.96	30.48	3	29.48	25	16.7	40	w.	19	66	55	63	54
Long Branch	29.93	30.44	3	29.40	16	12.9	45	nw.	17	60	52	54	58
Ridgefield	29.92	30.45	3	29.14	16		....	....	....	....	....	....	....
Sandy Hook	29.91	30.44	3	29.42	16	17.0	43	nw.	26	72	73	71	57
Trenton	29.94	30.46	3	29.51	16	11.4	28	nw.	28	64	55	59	60

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.4	66	2	1.10	......	......	......	......	......
1886	37.7	70	9	3.70	......	......	......	......	......
1887	37.7	61	8	3.34	......	10	......	......	......
1888	32.8	72	0	5.71	......	11	......	......	......
1889	40.5	67	19	3.79	......	8	......	......	......
1890	37.6	78	0	6.08	......	14	......	......	......
1891	37.2	68	4	5.06	......	12	8	10	13
1892	34.4	64	6	4.75	......	9	10	12	9
1893	37.0	68	6	3.73	......	10	10	10	11
1894	44.2	83	12	1.77	......	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	T.	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	−15	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	7.61	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	20.5	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	49.1	92	11	3.03	T.	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
Period	39.1	92	−15	3.78	4.8	11	12	9	10

Climatological Data for March, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	34.8	−3.8	60	4	13	1	32	2.66	−1.03	0.91	14.0	10	15	1	15	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	32.4	−3.9	59	4	11	7	40	2.81	−1.18	0.80	6.0	13	20	0	11	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	2.13	−1.19	0.80	7.0	6	13	9	9	w.	Miss Frances Drake.
Dover	Morris	600	53	32.8	−3.1	60	4	12	1	35	2.89	−1.13	1.45	6.1	13	8	10	13	......	William C. Harris
Layton	Sussex	480	36	28.6	−7.5	48	5	7	1	30	3.26	−0.03	0.60	14.6	12	9	1	21	nw.	A. M. Depue.
Long Valley	Morris	660	6	33.2	......	64	4	10	10	34	2.51	....	0.81	9.0	7	13	13	5	ne.	James E. Rice.
Newton	Sussex	769	54	32.5^{a}	−3.5	58	4	11	10	30	3.19	−0.20	0.75	8.8	14	12	4	15	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	35.0	−3.6	59	4	18	10	31	2.16	−1.18	0.60	18.0	10	8	11	12	......	Town Engineer.
Sussex	Sussex	442	42	33.7^{a}	−3.2	56	2	14	1	33	2.29	−0.86	0.54	9.0	9	10	5	16	......	A. J. W. Mowatt
Means and extremes	......	......	....	32.9	−4.1	64	4	7	1	40	2.66	−0.85	1.45	9.2	10	12	6	13	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	33.6	−1.8	59	4	16	10	35	1.94	−1.70	0.84	......	6	18	2	11	nw.	John Kline.
Canoe Brook	Essex	173	7	32.8	......	62	4	7	12	42	2.92	....	1.38	......	8	14	9	8	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	2.67	−1.37	1.03	......	8	15	9	7	......	Paul Molitor. Sr.
Elizabeth	Union	45	58	37.7	−1.7	64	4	18	10	37	2.91	−1.05	0.76	2.0	11	17	5	9	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§51	37.4	−3.2	63	4	17	1	37	2.68	−0.98	0.70	8.5	11	19	3	9	nw.	Hiram E. Deats
Jersey City	Hudson	10	39	36.7	−3.3	61	4	19	10	28	3.07	−0.95	0.89	2.0	13	9	11	11	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	50	34.5	−5.2	60	3	15	1†	34	2.91	−0.88	0.77	8.5	9	18	3	10	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	35.2	−2.1	62	4	15	10	37	2.87	−0.90	0.98	3.5	11	14	2	15	nw.	Passaic Valley Water Co
Newark	Essex	10	2	36.0	−3.3	61	4	19	10	30	2.78	−1.12	1.05	3.4	14	8	9	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	36.0	−3.2	61	4	17	1†	32	2.28	−1.28	0.76	1.7	9	16	6	9	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	2.69	−0.66	1.20	......	12	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	35.8	−3.6	62	4	16	10	33	2.87	−1.08	0.73	3.5	12	19	3	9	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	35.9	−3.2	62	4	18	10†	34	3.07	−0.89	0.91	3.1	12	10	8	13	nw.	S. K. Pearson.
Ridgefield	Bergen	80	20	35.0	−1.5	61	4	18	10	31	2.98	−1.09	1.24	3.2	13	11	9	11	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	34.4	−4.4	62	4	15	1†	33	2.86	−0.81	0.72	2.7	12	10	6	15	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	2.47	−0.60	1.06	......	12	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	10	67	36.6	−1.1	60	4	19	10	25	2.98	−0.66	1.04	1.9	15	9	11	11	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	35.5	−3.0	64	4	7	12	42	2.74	−1.02	1.38	3.8	11	14	6	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	38.6^{b}	−2.9	63	4	11	2	38	3.56	−0.20	1.00	1.0	7	18	2	11	w.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	38.4	−4.2	64	4	20	9	34	2.65	−1.19	1.02	1.9	9	17	8	6	w.	Bennett K. Matlack
Burlington	Burlington	12	§51	38.5	−2.8	66	5	15	12	37	2.26	−1.45	0.44	2.0	11	17	4	10	nw.	Public Service G. & E. Co.
Camden	Camden	20	5	37.8	......	65	4	15	12	33	2.40	....	0.95	7.0	9	9	9	13	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	36.4	......	63	4	16	1†	34	2.56	−2.09	0.80	3.0	9	19	3	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	37.8	......	65	4	13	1	36	2.87	−1.05	0.80	0.2	10	10	12	9	w	J. G. Wilson.
Hightstown	Mercer	110	44	35.7	−5.1	62	4	14	12	32	2.36	−1.42	0.64	5.2	11	12	9	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	36.4	−4.7	63	4	10	1†	36	3.19	−0.89	0.90	3.0	10	12	10	9	nw.	James M. Armstrong.
Lakewood	Ocean	54	33	37.2	−3.1	64	4	18	1	35	2.21	−1.96	0.50	5.0	10	13	9	9	nw.	R. W. Holman.
Moorestown	Burlington	62	74	37.4	−2.4	64	4	12	12	33	2.84	−0.84	0.85	2.5	8	13	8	10	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	2.87	−0.57	1.20	0.6	8	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	38.0	......	64	4	16	1†	33	3.70	....	0.96	5.0	10	18	2	11	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	37.8	......	59	4†	13	2	35	3.79	+0.38	1.16	......	8	19	4	8	w.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	33.2	......	50	4	7	1	27	2.69	−0.41	0.82	......	9	18	6	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	36.8	−2.3	62	4	20	10	30	1.97	−1.43	0.55	4.2	11	12	9	10	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	2.76	....	1.04	5.3	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	39.6	−1.5	60	30	18	1†	31	2.63	−1.50	1.10	T.	8	14	9	8	nw.	John H. Brown.
Philadelphia, Pa	......	26	66	38.7	−2.1	61	4	21	10	25	2.98	−0.41	0.93	7.8	13	11	10	10	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	37.3	−3.2	66	5	7	1	38	2.78	−1.04	1.20	3.1	9	15	7	9	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	40.0	+1.4	58	6	21	1	24	3.00	−0.60	1.38	0.1	9	10	8	13	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	36.9	−2.5	65	4	18	1	30	3.12	−1.05	1.53	4.0	12	7	10	14	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	37.0	−2.3	58	4	22	10	23	2.41	−1.63	1.15	2.6	12	12	7	12	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	ʃ38.0	−1.1	65	4	18	1	30	2.84	−1.09	1.53	2.2	11	10	8	13	nw.	
For the State	......	......	....	35.8	−3.3	66	5	7	1†	42	2.75	−1.03	1.53	4.3	10	14	6	11	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. ʃ Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2. Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-4-30-37-900

Daily Precipitation for March, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	....	....	....	....	.03	....	.15	T.	....	.10	....	.11	....	.60	.61	....	.08	.02	.05	....	....	....	....	.91	....	....	....	....	....	....	2.66
Charlotteburg	Passaic	....	....	....	....	....	.03	.03	.16	.05	....	.02	....	.03	.01	.80	.74	....	.03	....	.04	.56	....	....	....	.31	....	....	....	....	....	....	2.81
Culvers Lake	Delaware	....	....	....	....	.03	....	....	.10	T.	....	T.	....	T.	.10	.60	T.	....	T.	....	T.	.80	....	....	....	.50	T.	....	T.	....	....	....	2.13
Dover	Passaic	....	....	....	*	.06	T.	....	.21	.09	....	.05	....	T.	*	1.45	T.	....	.04	.02	.45	.15	....	....	.02	.35	....	....	....	....	....	....	2.89
Layton	Delaware	....	....	....	....	....	.08	....	.12	.20	....	....	....	.04	.08	.54	.60	....	.01	.15	.37	.56	....	....	....	.51	T.	....	....	....	....	....	3.26
Long Valley	Raritan	....	....	....	....	.05	T.	....	.25	.05	....	T.	....	T	T.	.40	.50	....	T.	T.	....	.81	....	....	....	.45	....	....	....	....	....	....	2.51
Newton	Delaware	....	....	....	....	.02	.03	....	.05	.52	....	.03	....	.05	.16	.75	.40	....	.04	.03	.09	.54	....	....	....	.48	T.	....	T.	....	....	....	3.19
Phillipsburg	....do	....	....	....	.06	....	T.	....	.08	T.	....	.08	....	.09	.34	.60	.20	....	T.	T.	.33	.17	....	....	T.	.21	T.	T.	T.	....	....	....	2.16
Sussex	Hudson	....	....	....	....	.11	T.	....	.06	T.	....	....	....	.15	.02	.35	.53	....	T.	....	.09	.54	....	....	....	.44	T.	....	....	....	....	....	2.29
The Red Sandstone Plain.																																	
Boonton‖	Passaic	....	....	....	....	T.	T.	T.	....	.10	T.	....	T.	T.	T.	.28	.84	T.	....	T.	....	.49	....	....	....	.16	.07	....	....	....	....	....	1.94
Canoe Brook‖	....do	....	....	....	....	.03	T.	T.	....	.18	T.	T.	T.	T.	T.	.24	1.38	....	....	.02	....	.83	....	....	....	.08	.16	....	....	....	....	....	2.92
Chatham‖	....do	....	....	....	....	.02	T.	....	....	.18	.03	T.	T.	....	....	.34	1.03	....	....	....	....	.78	....	....	....	.11	.18	....	....	....	....	....	2.67
Elizabeth	Coast	....	....	....	....	.04	T.	T.	.22	.01	....	.05	....	.05	T.	.69	.63	....	.02	T.	.08	.76	....	....	....	.36	....	....	T.	....	....	....	2.91
Flemington	Raritan	....	....	....	....	.05	T	....	.21	T	....	.02	....	.07	.06	.70	.57	....	.09	T	.07	.52	....	....	....	.32	....	....	....	....	....	....	2.68
Jersey City	Coast	....	....	....	T.	.02	.02	....	.28	.01	....	.03	....	.05	.12	.78	.41	T.	.01	T.	.11	.89	....	....	T.	.34	T.	....	T	....	....	....	3.07
Lambertville	Delaware	....	....	....	....	....	....	....	.31	T.	....	.04	....	.06	.34	.54	.77	....	T.	....	.03	.43	....	....	....	....	.39	....	T.	....	....	....	2.91
Little Falls‖	Passaic	....	....	....	....	....	.03	....	....	.15	.04	....	.01	.03	T.	.53	.98	....	....	.01	....	.72	....	....	....	.14	.23	....	....	....	....	....	2.87
Newark***	Coast	....	....	....	.01	T.	.01	....	.23	.01	....	.01	....	.02	.19	1.05	.04	....	.01	T.	.70	.15	....	....	.05	.30	....	....	T.	....	....	....	2.78
New Brunswick	Raritan	....	....	....	....	....	T.	....	.27	T.	....	.02	T.	.02	.04	.45	.76	....	.06	....	T.	.36	....	....	....	.30	T.	....	T.	....	....	....	2.28
New Milford**	Hackensack	....	....	....	.03	....	.05	....	.10	.03	....	.01	....	....	.10	1.20	.12	....	....	....	.54	.18	....	....	.02	.31	....	....	....	....	....	....	2.69
Paterson	Passaic	....	....	....	....	.02	.04	....	.16	.07	....	T.	....	.05	.07	.68	.59	....	.06	T.	.05	.68	....	....	....	.40	....	....	....	....	....	....	3.87
Plainfield	Raritan	....	....	....	T.	.01	T.	T.	.28	T.	....	.01	....	.03	.14	.91	.51	T.	.10	.01	.51	.21	....	....	T.	.36	T.	....	T.	....	....	....	3.07
Ridgefield**	Hackensack	....	....	....	T.	.01	.03	....	.17	.04	....	.01	....	.03	.23	1.20	.04	....	.01	....	.70	.15	....	....	T.	.36	T.	....	....	....	....	....	2.98
Somerville	Raritan	....	....	....	....	.04	T.	....	.26	.02	....	.02	....	.07	.10	.59	.72	....	.07	T.	.07	.53	....	....	....	.37	T.	....	....	....	....	....	2.86
Woodcliff Lake**	Hackensack	....	....	....	.02	....	.03	....	.12	.04	....	.03	....	....	.10	1.06	.12	....	....	....	.47	.16	....	....	.03	.29	....	....	....	....	....	....	2.47
New York, N. Y***	Coast	....	....	....	.01	.01	.02	....	.27	.01	....	.03	....	.05	.22	1.01	.04	T.	.01	....	.78	.18	....	....	.02	.32	T.	....	T.	....	....	....	2.98
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	....	....	....	.80	....	....	....	....	.58	*	1.00	.82	....	....	....	....	.23	....	....	....	.13	....	....	....	....	....	....	3.56
Bridgeton	Delaware	....	....	....	.03	....	....	.20	.48	....	.05	....	....	.12	.52	1.02	....	....	....	....	.17	....	....	....	T.	.06	....	....	....	....	....	....	2.65
Burlington	Delaware	....	....	....	....	.30	....	....	.42	.01	....	.24	....	.05	.14	.44	....	....	.16	....	.01	.29	....	....	....	.20	....	....	....	....	....	....	2.26
Camden**	....do	....	....	....	T.	....	....	....	.45	T.	.03	.09	....	.05	.27	.95	T.	....	.13	....	.21	T.	....	....	....	.22	....	....	....	....	....	....	2.40
Freehold	Raritan	....	....	....	....	....	....	....	.43	T.	....	.10	....	.03	.15	.48	.80	....	.07	....	T.	.28	....	....	....	.22	....	....	....	....	....	....	2.56
Hammonton	Mullica	....	....	....	....	.05	....	....	.54	T.	....	.02	....	.10	.24	.80	.71	....	.02	T.	T.	.23	....	....	T.	.13	....	....	....	....	....	....	2.87
Hightstown	Raritan	....	....	....	....	.01	T.	....	.37	T.	....	.05	....	.05	.11	.52	.64	....	.06	T.	.01	.30	....	....	....	.24	T	....	T.	....	....	....	2.36
Indian Mills	Mullica	....	....	....	....	....	....	....	.57	....	....	.20	....	.15	.20	.90	.53	....	.03	....	.07	.30	....	....	T.	.24	....	....	....	....	....	....	3.19
Lakewood	Metedeconk	....	....	....	....	.05	....	....	.40	T.	....	.14	....	.04	.20	.30	.50	....	.06	....	T.	.35	....	....	....	.17	....	....	T.	....	....	....	2.21
Moorestown‖	Delaware	....	....	....	.01	....	....	....	.51	T.	....	T.	T.	T.	.72	.85	....	....	.10	....	.38	....	....	....	.11	.16	....	....	....	....	....	....	2.84
Northfield	Coast	....	....	....	....	.06	....	....	.47	....	....	....	....	.05	.20	1.20	.43	....	....	....	T.	.35	....	....	T	.11	....	....	....	....	....	....	2.87
Pemberton	Delaware	....	....	....	....	.02	....	....	.45	T.	....	.13	....	.07	.10	.96	.68	....	.90	T.	T.	.21	....	....	....	.18	T.	....	....	....	....	....	3.70
Pleasantville‖	Coast	....	....	....	....	.07	....	....	....	.48	....	....	....	....	1.00	.82	1.16	....	....	....	....	.21	....	....	....	.03	.02	....	....	....	....	....	3.79
Runyon	Coast	....	....	....	....	....	....	....	.38	....	....	.06	....	.05	....	.48	.82	....	....	....	.09	.41	....	....	.09	.31	....	....	....	....	....	....	2.69
Trenton***	Delaware	....	....	....	.01	T.	T.	....	.35	T.	....	.11	....	.02	.29	.53	.11	T.	.07	T.	.21	04	....	....	T.	.23	T.	....	T.	....	....	....	1.97
Trenton No. 2**	....do	....	....	....	.01	....	....	....	.42	T.	....	.06	....	.05	.46	1.04	.07	T.	.07	T.	.31	.02	....	....	T.	.25	T.	....	T.	....	....	....	2.76
Tuckerton	Coast	....	....	....	....	.06	....	....	.43	....	....	T.	....	.07	.60	1.10	....	....	....	....	.21	....	....	....	.05	.11	....	....	....	....	....	....	2.63
Phila., Pa***	Delaware	....	....	....	.01	....	....	....	.46	.01	.03	.36	....	.03	.53	.93	.01	T.	.16	T.	.22	.07	....	....	....	.16	T.	....	....	....	....	....	2.98
The Sea Coast.																																	
Atlantic City***	Coast	....	....	....	.04	.03	....	....	.55	T.	....	T.	....	.08	.54	1.32	T.	....	T.	....	.15	.19	....	....	T.	.10	T.	....	....	....	....	....	3.00
Long Branch**	....do	....	....	....	.03	.01	T.	....	.32	T.	....	.07	....	.03	.50	1.53	T.	....	.01	....	.44	.04	....	....	.06	.08	T.	....	....	....	....	....	3.12
Sandy Hook***	....do	....	....	....	.01	....	T.	....	.30	T.	....	.05	....	.03	.16	1.14	.01	....	.02	....	.37	.10	....	....	.02	.20	T.	....	T.	....	....	....	2.41

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Temperatures for March, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	40	44	49	60	54	43	43	35	38	32	34	35	43	34	33	35	43	40	44	41	49	50	50	49	41	35	43	40	50	53	61	42.9
	Minimum	13	26	30	28	36	36	22	24	18	17	24	19	30	28	27	30	26	28	33	25	34	32	26	24	25	24	25	25	28	28	26	26.6
Charlotteburg	Maximum	45	45	45	59	58	42	38	35	35	32	33	43	46	35	35	32	41	45	43	42	43	44	43	46	45	36	42	40	43	43	45	41.9
	Minimum	16	26	25	19	32	30	11	14	27	12	14	12	22	23	20	27	23	32	33	22	33	32	27	16	32	18	22	23	22	23	24	23.0
Dover	Maximum	44	43	45	60	50	40	37	36	36	29	33	42	38	33	32	35	41	42	43	38	47	44	46	45	47	36	41	34	46	49	52	41.4
	Minimum	12	27	27	25	33	29	18	19	22	13	18	14	22	26	26	26	25	31	33	26	31	31	27	20	32	21	21	24	25	26	22	24.3
Layton	Maximum	32	35	41	46	48	35	37	33	30	25	34	30	32	31	30	30	38	45	35	35	42	46	35	36	36	35	30	30	33	36	46	35.4
	Minimum	7	19	25	20	32	30	15	14	23	10	15	8	25	23	25	27	27	30	33	18	22	30	17	17	31	20	22	25	24	23	16	21.7
Long Valley	Maximum	43	43	44	64	42	44	46	38	38	30	34	43	41	32	32	40	44	46	50	42	46	44	46	62	40	32	42	34	42	46	66	42.8
	Minimum	16	20	19	30	30	32	16	26	28	10	21	12	26	26	26	25	24	30	32	26	40	30	24	22	32	20	22	22	22	22	22	24.0
Newton	Maximum	44	42	45	58	49	38	39	37	36	29	34	41	47	32	30	33	41	40	42	43	44	41	44	47	39	35	40	37	43	47	....	40.6[a]
	Minimum	14	24	25	28	30	28	15	20	25	11	19	15	25	23	23	26	28	27	32	25	31	30	27	32	30	19	21	22	22	34	....	24.4[a]
Phillipsburg	Maximum	42	42	45	59	46	43	41	36	39	31	31	42	40	36	33	34	41	41	46	39	49	48	49	47	40	38	41	36	48	52	51	42.1
	Minimum	19	28	30	28	37	35	23	26	26	18	24	20	31	28	28	28	26	31	31	29	35	33	28	25	36	24	26	28	29	29	27	27.9
Sussex	Maximum	44	56	50	56	54	....	45	42	37	29	37	46	45	38	32	34	46	43	51	45	40	42	45	50	43	37	41	32	43	38	55	43.2[a]
	Minimum	14	25	26	23	33	....	16	19	28	12	18	15	27	25	26	29	24	29	34	23	33	31	24	20	32	21	23	24	25	26	22	24.2[a]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	45	44	46	59	43	42	38	40	39	30	32	42	39	35	33	37	42	43	45	44	46	44	46	46	38	32	42	35	46	48	52	41.7
	Minimum	17	23	30	24	35	31	20	20	27	16	18	17	22	26	27	30	28	30	35	26	32	34	27	21	27	23	25	26	26	29	23	25.6
Canoe Brook§§	Maximum	45	46	48	62	47	42	40	38	41	32	31	43	41	34	34	36	42	44	42	46	49	47	49	45	40	36	44	39	49	51	56	43.2
	Minimum	9	23	25	20	33	30	18	14	24	16	15	7	21	23	26	29	26	31	32	22	22	28	20	16	33	21	23	26	25	24	18	22.5
Elizabeth	Maximum	49	50	52	64	59	47	47	42	44	40	34	42	45	44	36	38	48	47	51	55	53	50	53	50	45	40	50	45	50	54	51	47.6
	Minimum	20	24	32	27	31	35	20	24	30	18	19	21	28	29	29	31	28	32	34	29	37	31	27	25	35	24	25	28	28	29	32	27.8
Flemington	Maximum	50	50	55	63	58	46	47	37	45	38	32	48	46	38	34	38	44	43	50	45	55	54	56	50	45	39	48	45	52	59	57	47.3
	Minimum	17	28	32	26	34	35	20	22	30	18	24	18	29	28	28	30	27	31	34	27	35	34	28	24	35	24	25	27	29	28	26	27.5
Jersey City	Maximum	45	47	49	61	49	43	41	40	41	33	32	43	41	37	37	38	42	44	48	42	50	48	50	45	43	37	46	35	47	51	52	43.8
	Minimum	23	30	32	33	36	34	22	31	28	19	25	22	30	30	30	29	27	33	34	33	37	36	33	30	35	24	25	26	30	30	32	29.6
Lambertville	Maximum	40	44	60	56	52	55	50	38	39	32	29	42	39	35	32	36	40	45	45	40	41	42	40	49	42	40	42	37	48	51	53	43.0
	Minimum	15	20	32	25	18	22	26	31	30	15	22	17	28	26	26	25	28	32	29	30	34	28	30	33	29	22	26	26	26	26	29	26.0
Little Falls§§	Maximum	47	47	49	62	46	41	40	38	39	32	32	45	40	43	35	37	43	45	48	45	49	47	48	46	39	37	44	41	49	51	55	43.9
	Minimum	19	29	29	25	35	31	19	20	28	15	19	15	26	26	27	30	27	33	34	27	34	35	26	22	33	22	26	27	27	28	24	26.4
Newark	Maximum	45	46	47	61	45	43	39	40	40	31	30	42	40	35	33	36	43	45	48	42	48	47	48	44	40	34	44	35	48	51	50	42.6
	Minimum	22	29	32	31	37	30	22	28	25	19	26	23	31	29	29	30	28	34	36	31	38	35	34	28	35	24	27	28	28	30	31	29.4
New Brunswick	Maximum	44	45	46	61	58	45	44	40	41	34	29	40	40	38	33	35	44	45	50	44	51	48	49	47	41	39	43	41	48	51	52	44.1
	Minimum	17	28	33	29	35	34	21	23	31	17	23	17	26	28	27	30	28	33	34	30	37	35	27	25	34	24	24	27	28	27	29	27.8
Paterson	Maximum	45	46	46	62	58	39	40	37	40	32	30	41	40	36	34	38	43	46	48	42	48	46	48	46	40	37	43	40	48	49	55	43.3
	Minimum	21	30	31	29	35	32	20	24	31	16	23	21	29	27	28	30	27	24	36	31	37	35	31	28	34	23	25	27	27	29	28	28.4
Plainfield	Maximum	45	47	50	62	50	45	42	38	41	33	30	42	43	34	34	39	43	44	49	40	52	51	52	46	41	38	47	35	47	52	53	44.0
	Minimum	19	26	30	28	36	35	22	24	29	18	24	18	29	28	28	31	29	31	32	28	36	34	28	24	34	24	25	24	28	28	31	27.8
Ridgefield	Maximum	46	46	47	61	45	36	38	38	39	31	31	43	40	35	33	36	42	46	48	42	42	46	47	45	40	33	44	38	49	50	64	42.3
	Minimum	19	28	31	30	36	29	26	25	22	18	23	19	30	28	31	28	27	32	33	30	38	32	30	27	34	23	25	27	30	26	28	27.7
Somerville	Maximum	44	45	48	62	56	44	41	36	40	32	30	43	40	34	32	35	41	41	46	41	50	42	49	46	39	38	44	39	48	51	64	42.9
	Minimum	15	26	29	29	33	32	19	22	28	16	21	15	28	27	27	27	26	31	33	38	34	31	28	34	33	22	23	26	26	25	23	26.0
New York, N. Y.	Maximum	45	47	47	60	47	41	40	45	40	32	33	43	39	38	37	37	41	44	47	44	46	46	48	44	43	37	43	34	46	50	51	43.1
	Minimum	24	31	32	35	36	29	22	32	25	19	25	24	30	30	31	28	27	34	35	35	37	36	35	34	35	23	26	26	30	30	33	30.0
The Southern Interior.																																	
Belleplain	Maximum	....	46	51	63	59	61	66	53	46	39	39	45	39	....	41	37	47	46	60	52	56	52	54	52	50	46	45	43	54	54	52	49.2
	Minimum	....	11	27	25	37	32	25	26	30	16	25	25	20	....	32	29	29	25	35	26	43	30	29	27	41	26	22	27	37	28	33	28.0
Bridgeton	Maximum	44	46	51	64	50	60	49	45	44	36	34	48	36	35	35	35	45	48	54	55	53	54	65	52	60	37	44	38	53	54	57	47.1
	Minimum	27	30	29	37	35	26	30	32	20	23	25	26	27	28	28	29	31	34	30	39	32	35	30	39	27	23	28	29	27	33	29	29.6
Burlington	Maximum	44	46	48	64	66	58	58	42	43	37	32	42	42	41	34	36	44	43	50	48	50	50	53	61	50	43	42	42	58	54	54	47.3
	Minimum	20	29	31	27	38	38	34	26	34	21	24	15	26	29	28	30	29	35	33	29	36	35	32	30	37	27	26	29	31	30	33	29.7
Camden	Maximum	45	47	48	65	49	61	43	41	42	34	30	41	39	33	34	35	43	47	49	50	52	51	54	52	43	39	45	40	51	54	56	45.3
	Minimum	22	31	32	32	40	42	25	32	26	20	21	15	26	28	32	30	28	36	32	30	39	35	35	30	38	27	26	32	32	35	34	30.4
Freehold	Maximum	42	45	45	63	56	48	43	48	42	42	30	40	37	36	35	35	44	47	60	45	52	48	50	46	46	39	43	37	49	52	50	44.5
	Minimum	16	28	30	29	34	34	20	33	32	18	23	16	26	28	28	30	28	33	36	30	37	34	30	29	29	23	24	27	29	29	31	28.2
Hammonton	Maximum	44	46	50	65	54	55	46	51	43	34	34	48	36	36	39	35	45	50	46	50	52	52	54	54	45	41	46	39	52	54	54	46.8
	Minimum	13	26	29	29	28	39	24	27	33	19	24	24	24	30	29	30	29	33	31	28	41	32	33	26	40	27	24	30	29	27	32	28.7
Hightstown	Maximum	42	44	46	62	56	47	44	40	40	32	29	40	38	37	33	34	42	46	49	44	52	48	50	47	41	39	43	38	49	52	54	43.8
	Minimum	17	27	30	30	35	35	21	23	32	18	23	14	25	27	27	29	28	34	34	28	37	33	28	25	35	24	24	28	28	28	29	27.6
Indian Mills	Maximum	44	45	47	63	59	55	46	43	40	37	30	43	36	36	35	34	44	59	56	47	52	60	58	49	44	41	43	39	49	52	55	46.5
	Minimum	10	10	27	27	37	38	24	28	24	18	24	19	21	27	27	29	28	34	30	26	39	29	30	24	23	26	23	29	29	24	32	26.3
Lakewood	Maximum	42	46	46	64	58	51	45	47	43	35	31	38	39	36	38	37	44	50	52	45	53	50	51	45	42	40	44	38	51	52	47	45.2
	Minimum	18	29	28	29	38	37	24	24	35	20	25	23	23	29	31	33	30	37	35	29	41	34	28	25	29	25	25	29	30	28	30	29.1
Moorestown	Maximum	44	46	48	64	51	51	43	40	43	31	34	43	38	33	33	34	44	47	51	49	51	50	52	52	43	41	41	42	50	52	55	45.0
	Minimum	19	29	31	31	37	39	23	28	26	21	23	12	26	29	31	31	29	34	34	30	35	33	34	29	37	27	26	33	38	35	32	29.7
Pemberton	Maximum	45	47	50	64	58	53	49	44	43	38	31	45	41	36	36	36	44	48	52	49	54	62	54	50	44	42	47	42	62	54	56	47.0
	Minimum	16	29	29	31	37	38	23	27	33	21	24	16	25	28	28	30	29	35	33	29	37	31	31	29	38	26	25	30	30	29	32	29.0
Pleasantville§§	Maximum	45	48	60	59	50	59	42	51	45	37	39	41	39	41	42	41	47	51	58	55	56	54	56	45	45	43	46	41	53	56	46	47.8
	Minimum	14	13	28	34	39	36	24	27	31	15	23	27	20	29	30	31	29	29	30	26	30	40	31	28	41	27	23	26	28	21	32	27.8
Runyon	Maximum	34	36	44	50	44	46	41	44	38	36	34	36	34	40	34	40	34	38	38	42	46	46	40	38	42	40	44	43	41	42	44	40.3
	Minimum	7	12	34	24	40	28	20	18	30	30	28	8	22	28	22	28	28	27	32	34	36	30	25	30	35	24	24	27	28	24	24	26.0
Trenton	Maximum	44	45	47	62	48	47	41	40	41	32	29	42	39	32	34	34	44	46	49	46	51	49	50	48	41	35	41	37	48	52	55	43.5
	Minimum	21	30	33	32	38	35	24	29	25	20	24	22	30	28	30	30	29	34	35	33	37	36	34	32	35	25	26	29	29	32	22	30.0
Tuckerton	Maximum	49	46	54	45	60	54	51	52	52	40	41	45	50	42	40	40	45	60	56	54	56	54	58	54	58	42	45	48	50	60	55	49.6
	Minimum	18	25	30	30	35	37	37	32	35	18	26	30	32	32	30	26	28	30	32	32	35	32	30	32	35	25	20	25	30	32	33	29.8
Philadelphia, Pa.	Maximum	45	46	50	61	51	52	46	42	43	32	31	42	40	35	35	35	44	46	49	49	50	53	54	49	43	40	42	39	52	54	55	45.3
	Minimum	24	31	36	36	39	38	26	32	26	21	24	26	32	28	31	30	29	35	38	36	41	38	39	35	38	26	26	31	32	35	36	32.1
The Sea Coast.																																	
Atlantic City	Maximum	45	48	50	50	50	58	46	49	45	36	39	39	40	38	41	37	46	50	57	48	55	65	54	53	51	41	46	41	53	54	43	47.
	Minimum	21	29	35	40	40	41	27	38	29	23	28	29	33	32	34	32	36	36	38	38	39	35	39	38	40	26	25	30	30	33	37	33.
Long Branch	Maximum	44	46	47	65	49	46	41	44	41	33	31	37	40	34	37	38	44	49	61	46	52	49	52	45	40	36	44	27	51	53	44	44.
	Minimum	18	31	34	35	39	34	22	27	25	19	24	26	27	29	32	30	29	36	34	32	37	33	33	32	37	25	25	27	27	30	32	29.
Sandy Hook	Maximum	41	43	45	58	45	45	40	41	40	31	31	37	39	34	35	37	42	45	48	44	48	47	48	43	40	38	45	35	48	50	44	42.
	Minimum	25	33	35	35	38	34	24	32	26	22	25	28	32	30	32	32	31	36	36	35	39	36	36	35	37	26	28	30	31	33	35	31.

[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

ERRATA FOR THIS BULLETIN.

Page 9, 1st paragraph on Precipitation, 4th line, after the first word insert "was". Page 10: Runyon, number of clear days, 17: number of cloudy days, 8. Plainfield, total precipitation 3.08, departure from the normal —0.83. Page 11: Total precipitation, Paterson 2.87; Plainfield 3.08. Page 12: Maximum temperatures at places and on dates given: Layton, 22d, 36; Long Branch, 28th, 37. Minimum temperatures: Belvidere, 9th, 28; Paterson, 18th, 34; Ridgefield, 7th, 21; Somerville, 20th, 28, 24th, 24; Atlantic City, 17th, 31.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE UNIVERSITY OF ILLINOIS

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

Vol. XLII. April, 1937. No. 4.

NOTE.—The price of this publication is 25 cents per year (not in stamps). payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April averaged slightly below normal as far as temperature was concerned, the average of 49.3 degrees being 0.4 degree below the established normal. There were several warm periods, all however, of short duration. These periods occurred on the 6th, 13th-15th, 18th-20th, and 29th. Cool weather prevailed during the 9th-12th and 21st-28th, the balance of the month being about normal. The highest temperatures were recorded generally on the 18th, and were mostly in the high seventies and low eighties. The minima were noted on various dates throughout the month, some stations reporting its occurrence on the 1st or 3rd, and others on the 11th or 13th. The minima were all below the freezing point by a few degrees, some stations however, recorded minimum temperatures below twenty.

Rainfall was above normal in all sections of the State. The precipitation was well distributed throughout the month, there being only six days when precipitation was not experienced somewhere in the State. Copious quantities were recorded on the 6th, 21st-22nd, and 27th-28th, the other rainy days having only light amounts. The snowfall was, as is usual for April, negligible in amount, no station reporting more than a trace. Although hail fell at a few scattered stations, it was in such light amounts that no damage was reported from this phenomenon.

No damage was incurred from either wind or lightning.

Killing frosts were recorded at most stations as late as the 13th, although in some sections of the southern half it did not occur after the 1st. Layton reported killing frost on the 30th.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 49.3°, which was 0.4° below normal. The highest temperature was 85° at Bridgeton and Hammonton on the 18th, and the lowest, 16°, at Runyon on the 1st. The greatest daily range of temperature was 46° at Hammonton on the 18th. The highest monthly mean temperature was 52.0° at Burlington, and the lowest, 43.7° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.2°; Red Sandstone Plain, +2.5°; Southern Interior, +2.5°; Sea Coast, +3.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 4.64 inches, which was 1.03 inches above normal. The greatest monthly precipitation was 5.79 inches, at Freehold, and the least, 3.05 inches at Newton. The greatest amount of precipitation in any 24 consecutive hours was 2.14 inches at Moorestown on the 26th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands. +1.57 inches; Red Sandstone Plain, +1.45 inches; Southern Interior, +1.88 inches; Sea Coast, +0.35 inch.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 27, 28.
Hail: 18, 26.
Thunderstorms: 14, 15, 16, 18, 19, 21, 22, 23, 27, 28.

ERRATA.

April 1936. Indian Mills, prevailing wind NW. Newton monthly precipitation 4.55. dept. +1.02.

May 1936. Moorestown, mean max. temp. 76.0; monthly mean temp. 63.4; mean temp. for Southern Interior, 63.9, dept.+2.4; monthly mean temperature for the State, 63.2, dept. +2.8.

September 1936. Layton, minimum temp. 32 on the 26th; Ridgefield, days with .01 or more 8; total precip. 3.86, dept. +0.72; Trenton, total precipitation 4.30, dept. +0.90.

October 1936. Ridgefield, no. of days with .01 or more 6.

December 1936. Dover, mean max. temp. 43.6; monthly mean temp. 34.0, dept. +3.9, Newton, maximum temp. 61 on 26th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.01	30.50	4	29.48	9	19.0	57	e.	26	74	63	74	52
Long Branch	30.00	30.54	4	29.46	9	13.7	50	e.	26	69	54	60	58
Ridgefield	30.00	30.53	4	29.50	9	......	....	......	....	....	....	....	....
Sandy Hook	29.99	30.51	4	29.44	9	15.8	41	ne.	26	74	60	72	55
Trenton	30.00	30.50	4	29.50	9	11.9	30	ne.	26	72	56	62	59

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	......	......	......	......	......
1886	50.6	86	27	3.40	......	......	......	......	......
1887	47.3	87	16	2.70	......	7	......	......	......
1888	47.9	92	22	3.28	......	9	......	......	......
1889	51.2	83	25	5.32	......	12	......	......	......
1890	50.4	86	21	2.65	......	8	......	......	......
1891	52.0	88	20	2.19	......	8	13	11	6
1892	49.3	87	19	2.49	......	8	9	13	8
1893	49.2	82	19	5.21	......	11	9	10	12
1894	50.3	88	10	3.09	......	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	**1.35**	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	**3**	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49 3	85	16	4.64	T.	12	11	9	10
Period	49.7	98	3	3.61	1.2	10	12	9	9

Climatological Data for April, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	49.5	−0.1	79	18	26	1	38	4.88	+1.12	0.90	T.	13	19	5	6	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	47.3	+0.7	74	18†	22	3	41	5.04	+0.72	1.62	0	14	22	0	8	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	86	......	......	......	......	......	......	....	3.45	−0.08	0.90	T.	9	7	17	6	w.	Miss Frances Drake.
Dover	Morris	600	53	47.0	−0.4	74	18	25	3	34	4.51	+0.45	1.47	T.	13	8	10	12	......	William C. Harris
Layton	Sussex	480	86	43.7	−3.4	70	6	20	13	38	4.24	+0.75	1.15	T.	12	9	5	16	nw.	A. M. Depue.
Long Valley	Morris	660	6	46.6	......	80	18	24	1†	38	5.45	....	1.48	T.	11	12	13	5	e.	James E. Rice.
Newton	Sussex	769	54	46.8^{a}	−1.2	78	18	27	1	38	3.05	−0.48	0.98	T.	13	7	8	15	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	48.6	−1.0	79	18	28	1	37	3.89	+0.50	0.84	T.	13	12	8	10	......	Town Engineer.
Sussex	Sussex	442	42	49.3	+0.9	80	18	26	1	40	3.29	−0.24	0.82	0	9	13	7	10	......	A. J. W. Mowatt
Means and extremes	......	......	....	47.4	−0.6	80	18	20	13	41	4.20	+0.34	1.62	T.	12	12	8	10	nw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	47.8	−0.3	74	18	27	13	36	4.44	+0.54	1.30	......	10	12	3	15	ne.	John Kline.
Canoe Brook	Essex	173	7	46.4	......	74	18	18	1†	44	5.18	....	1.45	......	12	12	11	7	w.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	4.31	+0.09	1.20	......	12	15	7	8	......	Paul Molitor. Sr.
Elizabeth	Union	45	58	50.7	−0.2	77	6	28	1†	38	5.36	+1.52	1.52	0	11	17	2	11	e.	Union County Park Comm.
Flemington	Hunterdon	140	§51	50.8	+0.6	81	18	28	1†	42	5.00	+1.38	1.55	T.	13	15	6	9	e.	Hiram E. Deats
Jersey City	Hudson	10	39	50.0	−0.2	73	19	33	11	25	5.21	+1.46	1.20	T.	12	6	12	12	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	50	48.4	−1.8	76	18	26	1	37	4.97	+1.17	1.37	T.	11	20	1	9	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	49.4	+1.1	74	18	26	3	38	5.37	+1.21	1.37	0	12	11	10	9	e.	Passaic Valley Water Co
Newark	Essex	10	2	49.4	−0.8	72	6†	32	1†	29	5.17	+1.41	1.51	T.	13	6	11	13	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	49.2	−0.5	75	18	30	1†	35	5.01	+1.40	1.30	T.	12	11	14	5	ne.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	...	......	......	......	....	4.36	+0.94	1.12	......	12	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	49.8	−0.9	73	6	32	11	30	4.63	+0.80	1.27	0	12	16	8	6	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	49.7	+0.3	75	18	28	1	35	5.29	+1.50	1.60	T.	12	8	12	10	nw.	S. K. Pearson.
Ridgefield	Bergen	80	20	49.2	+1.3	74	14	30	1	31	4.62	+1.17	1.75	0	11	6	15	9	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	48.2	−1.3	76	18	28	11	34	4.58	+0.92	1.12	T.	12	6	10	14	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	4.38	+0.94	1.00	......	11	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	67	49.0	−0.4	70	6	33	11	22	5.00	+1.77	1.64	T.	14	7	9	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	49.2	−0.2	81	18	18	1†	44	4.87	+1.10	1.75	T.	12	11	9	10	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	50.9	+0.4	82	18	25	1	44	5.40	+1.70	1.22	0	10	12	12	6	e.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	51.0	−1.3	85	18	32	12	45	4.15	+0.55	1.05	0	11	16	6	8	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	52.0	0.0	84	18	28	1	44	4.06	+0.32	1.43	0	14	12	8	10	nw.	Public Service G. & E. Co.
Camden	Camden	20	5	51.3	......	81	18	30	1	38	3.91	....	1.35	0	13	8	9	13	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	49.4	......	79	18	28	1	40	5.79	+2.15	2.02	T.	11	18	5	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	51.6	......	85	18	27	1	46	5.59	+1.81	1.27	T.	11	9	12	9	nw.	J. G. Wilson.
Hightstown	Mercer	110	44	49.2	−1.2	77	18	28	1	38	4.67	+0.78	1.25	T.	15	9	11	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	50.5	0.0	84	18	25	1	45	4.75	+0.95	1.53	T.	10	6	17	7	ne.	James M. Armstrong.
Lakewood	Ocean	54	33	50.2	+0.7	76	18	27	1	38	4.89	+0.94	1.48	T.	13	10	5	15	ne.	R. W. Holman.
Moorestown	Burlington	62	74	50.6	+0.1	80	18	32	13	40	5.22	+1.57	2.14	T.	11	8	11	11	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	51.6	......	81	18	27	1	41	4.27	....	1.08	0	13	10	7	13	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	51.2^{a}	......	75	7†	22	11	36	4.18	+0.76	1.02	......	13	17	6	7	e.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	45.8	......	70	15	16	1	40	4.61	+0.65	1.42	......	8	13	10	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	50.0	+0.2	79	18	32	11	37	4.31	+1.37	1.31	T.	15	8	8	14	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	.....	......	......	......	......	...	....	4.53	....	1.37	T.	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	50.5	+0.9	75	6†	30	11	30	5.57	+1.80	1.04	0	13	9	11	10	ne.	John H. Brown.
Philadelphia, Pa.	......	26	66	51.2	−0.9	80	18	35	11	37	4.38	+1.33	1.62	T.	14	5	11	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	50.4	+0.1	85	18	16	1	46	4.74	+1.18	2.14	T.	12	11	9	10	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	49.6	+1.8	73	20	34	12	23	4.22	+1.23	1.11	0	13	6	9	15	e.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	49.0	+0.8	74	14	31	12	32	4.42	+0.15	1.02	T.	12	6	12	12	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	48.8	+0.5	67	14	35	11	20	3.75	+0.13	1.53	0	14	7	11	12	ne.	U. S. Weather Bureau.
Means and extremes	......	......	....	49.1	+1.0	74	14	31	12	32	4.13	+0.50	1.53	T.	13	6	11	13	nw.	
For the State	......	......	....	49.3	−0.4	85	18	16	1	46	4.64	+1.03	2.14	T.	12	11	9	10	nw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland.

W. B. O. Philadelphia-6-9-37-900

Daily Precipitation for April, 1937

Stations	Drainage Basin	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	.02	....	....	.04	.61	....	T.	.25	....	T.	....	....	.06	.14	....	....	.40	.06	....	.73	.72	.90	....	....	....	.68	.27	....	....	....	4.88
Charlotteburg	Passaic	....	....	....	....	.02	1.60	....	....	.16	.07	....	....	....	.09	.14	.19	....	....	.06	....	.60	.80	.21	....	....	....	.76	.32	.02	....	....	5.04
Culvers Lake	Delaware	....	T.	....	....	*	.90	T.	T.	.30	....	T.	....	....	T.	T	....	....	T.	....	....	.65	.65	.20	....	....	*	.50	.25	....	....	....	3.45
Dover	Passaic	....	.05	T.	....	.06	1.47	....	.04	.35	T	T.	....	....	.08	.23	....	....	.13	....	....	.53	.62	....	....	....	*	.71	.24	....	....	....	4.51
Layton	Delaware	....	....	....	....	.07	1.08	....	.03	.36	T.	T.	....	....	....	.11	.13	....	.08	....	....	.66	.74	.05	....	....	....	.66	.27	....	....	....	4.24
Long Valley	Raritan	....	.04	....	....	....	1.48	....	....	.58	....	T.	....	....	T.	.42	.13	....	....	.16	....	.70	.56	.36	....	....	....	.76	.26	....	....	....	5.45
Newton	Delaware	....	.03	T.	....	.01	.40	....	....	.28	T.	T.	....	....	.06	.25	.07	....	....	.02	....	.08	.98	.20	....	....	....	.46	.21	....	....	....	3.05
Phillipsburg	....do	....	T.	....	T.	.12	.55	....	T.	.30	T.	T.	....	....	.04	.23	....	....	.21	.04	....	.84	.63	....	....	....	.28	.40	.20	.05	....	....	3.89
Sussex	Hudson	....	....	....	....	....	.72	....	....	.21	....	....	....	....	....	....	.19	....	.09	....	....	.67	.82	.09	....	....	....	.29	.21	....	....	....	3.29
The Red Sandstone Plain.																																	
Boonton ||	Passaic	....	T.	T.	....	T.	1.30	....	....	.01	.37	T.	....	....	....	.23	.01	....	....	.09	....	....	1.26	.18	....	....	....	.57	.42	T.	....	....	4.44
Canoe Brook ||	....do	....	.04	.02	....	....	1.02	....	....	.10	.20	....	....	....	....	.26	.02	....	....	.16	....	T.	1.33	.19	....	....	....	1.45	.89	....	....	....	5.18
Chatham ||	....do	....	.03	.06	....	....	.93	.08	....	.04	.20	....	....	....	....	T.	.02	....	....	.14	....	....	1.20	.19	....	....	....	1.02	.40	....	....	....	4.31
Elizabeth	Coast	....	.10	....	....	T.	.92	....	....	.29	.01	....	....	....	....	.12	T	....	....	.22	....	.63	.93	.25	....	....	....	1.52	.37	....	....	....	5.36
Flemington	Raritan	....	.04	....	T.	T.	1.07	....	....	.35	.03	....	....	....	T.	.06	.03	....	....	.19	....	.44	.74	.25	....	....	T.	1.55	.23	.02	....	....	5.00
Jersey City	Coast	....	.12	....	....	.06	.92	....	....	.54	....	T.	....	....	.10	.01	....	....	.03	.14	....	.70	1.20	....	....	....	....	1.09	.30	....	....	....	5.21
Lambertville	Delaware	....	....	....	....	.17	.86	....	.02	.47	....	T.	....	....	....	.15	.05	....	....	.11	....	.40	1.15	....	....	....	.22	1.37	....	....	....	....	4.97
Little Falls. ||	Passaic	....	....	.06	....	....	1.37	.01	....	.05	.22	....	....	....	....	.13	.01	....	....	.11	....	....	1.66	.18	....	....	....	.98	.59	....	....	....	5.37
Newark***	Coast	....	.10	T.	T.	.11	.66	....	.10	.32	T.	T.	....	....	.06	.04	....	....	.14	T.	....	1.17	.60	....	....	....	.05	1.51	.81	....	....	....	5.17
New Brunswick	Raritan	....	.09	....	....	....	.92	....	....	.44	T	T.	....	....	....	.05	.07	....	....	.19	....	.55	1.01	.20	....	....	....	1.30	.18	.31	....	....	5.01
New Milford**	Hackensack	....	.12	....	....	.17	.84	....	.02	.21	....	....	....	....	.15	.01	....	....	.11	....	....	1.12	.64	....	....	....	....	.66	.31	....	....	....	4.36
Paterson	Passaic	....	.09	....	....	.01	1.27	....	....	.24	....	....	....	....	.04	.11	....	....	....	.12	....	.55	.96	.15	....	....	....	.68	.41	....	....	....	4.63
Plainfield	Raritan	....	.09	....	....	.05	.74	....	T.	.41	T.	T.	....	....	....	.15	T.	....	.10	.16	....	.78	.96	T.	....	....	*	1.60	.25	....	....	....	5.29
Ridgefield**	Hackensack	....	.11	....	....	T.	1.00	....	*	.43	....	....	....	....	.01	.09	T.	....	T.	.09	....	.53	1.22	....	....	....	....	1.00	.14	....	....	....	4.62
Somerville	Raritan	....	.06	....	....	.01	.85	....	....	.30	T.	T.	....	....	....	.06	.04	....	....	.30	....	.56	.82	.18	....	....	....	1.12	.28	T.	....	....	4.58
Woodcliff Lake**	Hackensack	....	.11	....	....	.33	.82	....	.03	.18	....	....	....	....	.09	....	....	....	.12	....	....	1.00	.79	....	....	....	....	.67	.24	....	....	....	4.88
New York, N. Y***	Coast	....	.11	....	....	.07	.89	....	.14	.39	....	T.	....	....	.08	.01	....	....	.16	.03	....	1.17	.67	....	....	....	.03	.97	.28	....	....	....	5.00
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	.20	1.02	.27	....	.43	T.	....	....	....	....	.10	....	....	....	....	....	1.12	.28	T.	....	....	1.05	.81	.12	....	....	....	5.40
Bridgeton	Delaware	.02	....	....	....	.91	.12	....	.36	.03	....	....	....	....	.10	....	....	....	....	....	.27	1.05	....	....	....	.17	1.03	.09	....	....	....	....	4.15
Burlington	Delaware	....	.10	....	....	.04	.92	....	....	.12	.03	....	....	....	....	.05	....	....	....	.20	....	.11	.48	.23	....	....	.26	1.17	.20	.15	....	....	4.06
Camden**	....do	....	.05	....	....	.16	.29	....	.02	.11	T.	....	....	....	.04	.02	....	....	.22	T.	....	.78	.54	....	....	....	1.35	T.	.31	.02	....	....	3.91
Freehold	Raritan	....	.08	....	....	T.	1.09	....	....	.38	T.	T.	....	....	....	....	.02	....	....	.13	....	.55	.98	.25	....	....	T.	2.02	.15	.14	....	....	5.79
Hammonton	Mullica	....	.03	....	....	.11	1.27	....	....	.29	T.	T.	....	T.	T.	.08	T.	....	....	T.	....	.98	.50	.24	....	....	.72	1.20	.17	T.	....	....	5.59
Hightstown	Raritan	....	.11	....	....	.05	1.04	....	....	.34	.02	T.	....	....	.01	.05	T.	....	....	.17	....	.50	.68	.18	....	....	.11	1.14	.17	.10	....	....	4.67
Indian Mills	Mullica	....	.07	....	....	.03	1.27	....	....	.23	....	T.	....	....	....	T.	....	....	....	T.	....	.05	.43	.90	....	....	.60	.93	.24	....	....	....	4.75
Lakewood	Metedeconk	....	.10	....	....	....	.90	.02	....	.23	T.	....	....	....	T.	.02	....	....	....	.15	....	.60	.78	.32	....	....	.08	1.48	.13	.08	....	....	4.89
Moorestown ||	Delaware	.07	....	....	....	.83	....	....	.07	.11	T.	T.	....	....	.05	T	....	....	.18	....	T.	1.33	.27	....	....	....	2.14	.14	.03	....	....	....	5.22
Northfield	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Delaware	....	.07	....	....	.02	1.08	.02	T	.20	T.	T.	....	T	....	.03	T.	....	....	....	....	.63	.52	.22	....	....	.09	1.03	.27	.09	....	....	4.27
Pleasantville ||	Coast	....	.17	....	....	....	1.02	.30	....	.56	.03	....	....	....	....	.03	.07	....	....	....	....	.04	1.00	.05	....	....	.08	.60	.23	....	....	....	4.18
Runyon	Coast	....	.11	....	....	....	1.09	....	....	.41	....	....	....	....	....	....	....	....	....	.15	....	.53	.69	.21	....	....	....	1.42	....	....	....	....	4.61
Trenton***	Delaware	....	.05	....	T.	.11	.51	T.	.06	.30	T.	T.	....	....	.03	.03	....	....	.10	.01	....	.92	.43	....	....	....	1.00	.31	.28	.17	....	....	4.31
Trenton No. 2**	....do	....	.02	....	....	.16	.69	....	.07	.37	T.	T.	....	....	.04	.03	....	....	.13	....	....	.94	.27	....	....	....	.98	.39	.28	.16	....	....	4.53
Tuckerton	Coast	....	....	....	....	1.04	.91	.21	....	.52	.11	....	....	....	....	.13	....	....	....	....	....	1.02	.43	.02	....	.08	.98	.09	.08	....	....	....	5.57
Phila., Pa***	Delaware	....	.05	....	....	.21	.30	....	01	.21	T.	T.	....	T.	.01	.03	....	....	.26	....	....	1.02	.44	....	....	....	1.51	.11	.20	.02	....	....	4.38
The Sea Coast.																																	
Atlantic City***	Coast	....	.03	....	....	.23	.72	.35	.25	.24	T	T.	....	....	.02	.21	....	....	....	....	....	.77	.07	....	....	....	1.11	.07	.15	....	....	....	4.22
Long Branch**	....do	....	.06	....	....	.11	.81	....	.22	.10	....	T.	....	....	T.	T	T.	....	.17	.10	....	1.02	.74	....	....	....	.46	.48	.22	.03	....	....	4.42
Sandy Hook***	....do	....	.09	....	....	.12	.60	....	.17	.15	....	....	....	....	.02	.01	....	....	.07	.01	....	1.04	.65	....	....	....	.16	.38	.28	T.	....	....	3.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	.072	.144	.176	.340	.116	.096	.128	.152	.192	.168	*	*	.024	.176	.184	.162	*	.094	.152	....	3.752
	Wind movement	17	20	30	36	73	86	53	22	40	21	48	28	17	71	86	61	20	39	31	20	29	76	13	27	34	63	103	41	33	22	....	1260
Pleasantville**	Evaporation	.170	.224	*	*	.380	.156	.144	.048	.046	.128	.128	.160	.288	.126	.070	*	*	*	.864	.040	*	.154	.112	.320	.080	*	*	*	*	.174	....	3.812
	Wind movement	76	88	*	*	464	120	68	84	109	97	83	57	140	122	231	105	103	51	149	50	121	107	63	154	*	406	45	134	101	78	....	3406
Runyon	Evaporation	....	....	....	....	....	....	.160	.120	.036	.135	.120	.120	.150	.200	.180	.180	.180	.180	.240	.180	.150	.090	.086	.210	.180	.180	.020	.080	.120	.230	....	3.527
	Wind movement	40	43	47	76	68	106	67	80	59	61	69	34	60	114	185	49	34	57	63	53	59	172	42	83	63	334	82	81	81	66	....	2428

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for April, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	60	58	52	49	50	69	59	57	52	44	50	60	65	70	70	63	65	79	74	69	60	48	59	62	61	53	53	61	70	71	....	60.4
	Minimum	26	35	29	32	40	50	39	33	40	35	29	33	29	45	54	42	31	41	46	45	41	41	40	35	38	40	40	47	43	38	....	38.6
Charlotteburg	Maximum	53	57	58	49	46	68	65	56	55	42	49	65	63	71	67	66	65	74	74	69	62	46	53	57	57	55	51	62	65	68	....	69.3
	Minimum	29	29	22	26	34	44	36	26	37	32	29	30	22	56	52	40	34	39	44	40	35	37	35	33	28	35	37	44	37	36	....	36.3
Dover	Maximum	55	56	50	42	47	69	56	56	44	42	47	57	63	69	67	55	66	74	70	66	51	48	55	55	55	51	48	58	66	66	...	56.8
	Minimum	29	33	25	30	36	40	37	50	31	32	29	30	29	42	53	42	33	43	44	47	37	39	37	35	34	36	38	45	41	37	....	37.1
Layton	Maximum	50	43	43	38	50	70	65	55	45	37	37	41	54	60	65	63	62	67	58	58	53	45	46	48	48	50	60	53	68	69	....	53.0
	Minimum	21	29	22	22	36	42	37	27	37	32	30	30	20	42	53	40	24	41	43	37	35	38	37	32	30	28	37	47	53	30	....	34.4
Long Valley	Maximum	64	66	44	50	50	72	54	54	42	40	42	56	66	70	70	50	70	80	68	62	42	48	54	62	60	48	50	64	64	72	....	57.1
	Minimum	24	34	24	24	34	56	34	34	36	30	30	30	30	48	45	40	32	42	40	46	38	36	40	30	35	34	34	45	40	40	....	36.2
Newton	Maximum	55	56	50	47	49	69	58	55	52	41	45	57	65	71	69	54	64	78	69	66	60	44	54	61	61	....	52	65	59	69	....	68.1[a]
	Minimum	27	33	29	30	35	46	34	34	36	30	28	31	31	45	51	39	31	40	41	44	37	36	35	33	32	....	35	39	34	38	....	35.6[a]
Phillipsburg	Maximum	57	56	49	48	51	66	57	55	47	43	46	57	62	69	68	55	63	79	71	68	55	47	55	58	57	52	61	58	69	65	....	67.9
	Minimum	28	35	30	36	40	50	40	33	40	35	30	35	30	42	52	43	34	42	46	44	41	40	41	38	39	40	40	47	45	39	....	39.2
Sussex	Maximum	56	57	55	56	48	70	62	57	55	48	44	56	63	71	71	70	69	80	76	73	62	46	51	67	68	66	58	60	68	71	....	61.8
	Minimum	26	33	27	29	37	46	38	31	37	33	32	32	27	45	55	42	29	42	43	44	40	38	37	36	33	36	37	47	39	35	....	36.9
The Red Sandstone Plain.																																	
Boonton§§	Maximum	55	57	50	46	58	69	58	58	48	43	48	57	62	68	66	57	64	74	70	64	52	50	55	58	69	56	50	59	67	67	....	68.2
	Minimum	29	33	30	29	36	38	39	31	41	35	33	36	27	44	51	45	38	38	44	43	40	40	39	34	32	36	39	40	41	40	....	37.4
Canoe Brook§§	Maximum	57	59	51	45	58	72	58	58	54	44	49	58	66	72	70	59	64	74	72	67	57	50	57	55	55	55	50	62	68	67	....	69.4
	Minimum	18	29	18	25	37	40	38	26	40	33	27	24	21	45	45	44	29	37	44	35	38	38	38	30	29	30	38	41	35	30	....	33.4
Elizabeth	Maximum	59	61	55	49	48	77	64	61	54	47	54	61	68	75	73	68	64	71	76	75	68	49	57	56	55	54	54	64	68	65	....	61.7
	Minimum	28	34	28	38	40	46	40	34	40	36	30	33	30	47	63	46	36	41	48	47	41	41	40	40	39	41	42	46	42	44	....	39.7
Flemington	Maximum	65	64	58	51	53	74	62	60	55	49	54	63	65	73	70	69	69	81	77	74	63	50	55	59	56	51	51	65	68	75	....	62.6
	Minimum	28	34	28	32	40	50	40	33	41	35	30	33	30	44	53	45	34	39	47	47	41	41	41	36	36	39	40	47	44	43	....	39.0
Jersey City	Maximum	58	59	51	46	49	71	57	59	47	45	61	69	63	72	70	60	62	65	73	67	55	50	54	56	53	55	52	69	67	65	....	58.3
	Minimum	35	40	35	36	39	48	40	42	37	34	33	35	39	48	55	44	40	43	48	51	43	42	39	40	40	42	42	46	47	45	....	41.6
Lambertville	Maximum	56	58	62	56	64	70	64	56	56	54	46	62	60	70	66	63	64	76	70	67	51	50	64	55	56	46	55	64	68	70	....	60.3
	Minimum	26	28	30	32	33	36	38	37	28	31	32	36	39	35	36	42	34	39	44	42	37	36	38	36	35	38	42	42	44	48	....	36.5
Little Falls§§	Maximum	58	59	53	47	60	73	60	60	54	45	50	58	66	72	70	63	68	74	73	67	58	49	55	59	59	54	53	63	67	69	....	60.5
	Minimum	27	35	26	32	39	39	39	32	41	34	32	31	28	49	56	44	36	43	46	45	43	39	38	35	33	36	39	42	49	39	....	38.2
Newark	Maximum	57	60	48	45	49	72	57	58	45	44	49	57	65	72	68	55	59	65	71	67	51	48	54	55	54	54	50	62	68	64	....	57.4
	Minimum	32	41	33	38	40	48	40	39	38	35	32	36	36	50	54	47	41	43	50	50	41	41	40	40	39	42	42	46	47	43	....	41.5
New Brunswick	Maximum	57	58	63	47	52	72	60	58	51	44	48	57	63	72	69	67	63	75	71	68	63	49	53	53	50	50	49	62	66	63	....	58.8
	Minimum	30	35	30	35	40	48	40	33	40	35	31	32	31	49	55	45	37	40	47	46	40	41	40	38	37	42	40	45	45	41	....	39.6
Paterson	Maximum	56	59	50	46	49	73	62	57	50	50	50	69	65	72	70	66	63	69	71	66	61	48	56	66	57	53	50	64	68	67	....	59.4
	Minimum	34	38	33	35	39	48	39	38	37	35	32	34	35	50	54	46	39	42	48	50	40	40	39	38	35	37	39	46	45	42	....	40.2
Plainfield	Maximum	60	60	52	47	78	72	57	60	46	47	53	60	65	74	70	61	63	75	74	70	55	51	56	58	54	56	53	61	68	66	....	59.7
	Minimum	28	35	29	34	39	47	40	34	38	36	32	34	30	46	52	46	39	39	47	48	45	41	40	39	40	41	41	42	45	44	....	39.7
Ridgefield	Maximum	56	59	50	45	51	73	56	58	45	44	46	58	65	74	70	57	63	68	72	67	50	46	52	67	58	52	49	64	68	67	....	68.0
	Minimum	30	40	32	37	39	48	40	38	36	35	33	33	34	49	56	45	37	45	48	49	40	40	39	39	38	40	40	45	44	42	....	40.4
Somerville	Maximum	57	58	51	46	48	70	59	57	48	45	49	59	63	70	68	63	63	76	71	67	54	50	53	56	55	55	51	61	67	65	....	58.5
	Minimum	39	35	29	33	38	47	37	37	35	34	28	29	34	43	53	43	29	49	45	47	39	40	38	32	38	36	39	46	43	36	....	38.0
New York, N. Y	Maximum	55	57	49	42	49	70	65	57	48	43	48	55	60	69	66	55	59	62	70	65	54	47	52	54	51	66	52	69	66	63	....	56.2
	Minimum	36	41	36	37	39	48	40	44	35	34	33	35	41	49	55	44	40	45	48	52	42	42	38	41	40	42	42	46	47	45	....	41.9
The Southern Interior.																																	
Belleplain	Maximum	59	65	59	53	61	72	70	55	49	47	48	54	65	66	72	64	59	82	75	74	71	72	60	53	48	50	66	65	68	63	....	62.2
	Minimum	25	37	39	33	40	44	41	33	40	34	34	32	27	49	49	44	35	38	48	44	45	46	36	40	40	42	43	47	45	39	....	39.6
Bridgeton§§	Maximum	58	62	61	52	63	72	67	59	47	47	50	59	68	73	71	54	65	85	72	74	50	72	63	58	58	51	68	64	70	67	....	61.7
	Minimum	29	33	39	35	40	49	39	38	42	33	34	33	32	49	51	43	36	40	48	46	44	44	40	40	39	41	41	45	45	42	....	40.3
Burlington	Maximum	60	60	61	51	60	60	72	60	56	43	49	57	67	74	70	81	64	84	80	71	70	54	55	54	57	55	61	63	68	68	....	63.2
	Minimum	28	36	38	38	42	54	42	34	43	36	34	36	31	51	50	42	37	40	40	45	43	43	42	40	39	43	40	47	48	43	....	40.8
Camden	Maximum	59	63	50	50	62	74	55	59	45	46	50	56	67	72	70	54	64	81	70	70	50	55	56	58	60	49	62	64	67	65	....	60.1
	Minimum	30	40	40	40	43	50	43	38	39	36	36	38	34	52	56	40	39	43	50	50	43	43	44	40	41	42	44	48	50	44	....	42.5
Freehold	Maximum	56	59	52	46	52	72	62	59	47	44	47	58	65	73	70	68	62	79	68	65	67	50	55	53	53	50	54	63	66	61	....	59.2
	Minimum	28	36	33	35	40	49	39	35	40	35	31	31	34	49	55	46	33	39	42	45	41	42	40	38	36	43	41	44	46	42	....	39.6
Hammonton	Maximum	58	63	58	50	60	72	65	61	51	45	48	58	67	75	72	64	67	85	77	72	58	63	60	53	56	48	72	66	65	63	....	62.4
	Minimum	27	37	40	35	42	52	41	35	42	35	33	33	31	50	54	45	36	39	49	46	44	45	40	40	38	42	42	48	46	39	....	40.9
Hightstown	Maximum	57	59	53	46	54	71	60	57	50	45	47	58	64	72	69	65	63	77	72	67	65	50	57	53	54	48	54	62	68	63	....	59.3
	Minimum	28	37	30	32	40	49	40	33	40	35	30	31	30	49	54	45	34	39	47	45	41	41	41	38	34	41	41	45	46	39	....	39.2
Indian Mills	Maximum	57	64	55	52	57	72	62	59	50	44	47	55	66	74	71	65	63	84	78	68	65	56	54	55	57	51	68	62	64	67	....	61.4
	Minimum	25	34	37	36	36	50	41	30	42	34	30	33	26	49	54	45	35	39	48	45	43	43	39	38	38	41	41	48	48	41	....	39.6
Lakewood	Maximum	57	60	54	48	52	72	64	58	48	46	50	59	66	75	73	68	58	76	71	70	65	52	56	53	53	48	59	64	67	59	....	60.0
	Minimum	27	36	29	33	42	49	41	33	42	37	32	32	28	50	55	48	36	48	40	47	44	44	43	39	37	43	43	46	46	44	....	40.5
Moorestown	Maximum	58	61	50	51	58	72	55	59	46	44	49	57	66	73	70	54	66	80	71	69	52	55	55	54	58	52	63	63	67	64	....	59.7
	Minimum	34	38	38	39	42	51	43	36	41	35	34	35	32	51	56	44	36	40	47	46	46	43	41	38	42	40	41	49	47	41	....	41.5
Pemberton	Maximum	59	61	58	50	59	73	67	59	51	46	50	59	66	74	71	68	64	81	79	71	68	59	58	55	57	50	67	65	67	66	....	62.6
	Minimum	27	38	36	38	41	52	42	34	43	36	31	32	30	50	55	46	36	40	47	46	43	38	40	39	37	42	41	47	48	42	....	40.6
Pleasantville§§	Maximum	59	64	53	53	57	75	58	58	50	47	50	55	63	74	75	55	55	69	69	75	60	67	59	52	....	51	58	66	66	57	....	60.3[a]
	Minimum	23	41	36	35	41	49	42	35	44	36	22	30	28	48	49	46	36	43	50	45	47	46	38	42	42	....	44	48	47	40	....	42.2[a]
Runyon	Maximum	48	47	47	44	42	60	54	51	48	40	44	54	61	68	70	69	68	69	69	64	60	48	54	54	53	46	44	58	64	69	....	55.6
	Minimum	16	32	19	38	40	40	28	27	37	34	30	27	21	51	42	42	37	38	57	37	40	40	40	39	30	42	42	39	39	36	....	36.0
Trenton	Maximum	57	59	49	47	57	72	56	57	44	44	47	56	65	72	69	55	63	79	71	68	53	51	55	54	55	48	55	61	68	64	....	58.4
	Minimum	34	39	36	38	41	49	41	39	39	34	32	36	37	52	55	44	38	42	48	52	41	42	42	39	38	40	42	46	48	45	....	41.6
Tuckerton	Maximum	60	61	60	55	55	75	70	58	58	52	50	58	58	70	75	65	55	65	71	74	58	65	59	55	52	48	59	58	65	65	....	61.0
	Minimum	38	40	40	43	40	45	42	35	40	35	30	35	34	45	45	40	35	40	45	45	45	40	38	37	40	40	40	42	45	40	....	40.0
Philadelphia, Pa	Maximum	58	59	52	48	60	71	56	57	45	43	47	57	64	71	68	57	63	80	72	70	52	55	57	56	56	48	63	60	67	65	....	59.2
	Minimum	39	41	41	39	42	48	42	43	39	36	35	38	42	52	56	43	39	43	50	52	42	44	44	41	41	40	43	48	50	46	....	43.3
The Sea Coast.																																	
Atlantic City	Maximum	58	63	53	45	50	60	58	54	48	46	48	54	51	65	58	54	51	66	66	73	52	64	57	48	48	48	52	64	61	52	....	55.6
	Minimum	35	43	42	42	42	49	43	44	40	37	36	34	39	48	48	46	39	45	51	51	45	44	40	43	44	44	47	50	48	46	....	43.5
Long Branch	Maximum	58	60	49	45	49	73	55	57	45	47	48	55	60	74	72	57	53	63	68	70	52	47	55	50	50	48	50	64	66	57	....	56.6
	Minimum	32	36	32	40	41	41	42	38	38	34	32	31	34	53	55	47	44	44	50	49	42	43	40	41	41	44	44	44	48	42	....	41.5
Sandy Hook	Maximum	55	55	48	43	48	66	52	56	45	44	47	57	57	67	66	54	55	61	67	65	50	48	53	49	48	48	48	61	64	58	....	54.5
	Minimum	37	40	38	40	42	46	42	42	39	37	35	38	39	51	54	47	43	45	49	50	42	43	42	42	41	43	42	45	49	46	....	43.0

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

ERRATA FOR MARCH, 1937

Page 9, 1st paragraph on Precipitation, 4th line, after the first word insert "was". Page 10: Runyon, number of clear days, 17; number of cloudy days, 8. Plainfield, total precipitation 3.08, departure from the normal −0.88. Page 11: Total precipitation, Paterson 2.87; Plainfield 3.08. Page 12; Maximum temperatures at places and on dates given: Layton, 22d, 36; Long Branch, 28th, 37. Minimum temperatures: Belvidere, 9th, 28; Paterson, 18th, 34; Ridgefield, 7th, 21; Somerville, 20th, 28, 24th, 24; Atlantic City, 17th, 31.

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CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. MAY, 1937. No. 5.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month was warm and somewhat dry. The average temperature of 62.5 degrees being 2.1 degrees above the normal. Only ten days during the 53 years of record exceeded the figure for this May. The highest temperatures, mostly in the low nineties, occurred generally on the 31st, although at some stations the occurrence was recorded on the 22nd, 23rd or 27th. The minima in a good many cases were noted on the 1st, in a few cases, however, they were recorded on various other dates. These minima were almost all slightly above the freezing point, only a few stations recording below-freezing minimums for the month, and these all being in the northern section of the State.

Light frosts were numerous, but no stations reported either killing or heavy with the exception of Layton which experienced a heavy frost on the 12th.

The rainfall averaged 84% of the normal for the State as a whole. The percentages of normal for the various subdivisions were as follows: The Highlands, 113%; Red Sandstone Plain, 86%; Southern Interior, 86%; Sea Coast, 51%. The first five days of the month were totally without rain, followed by general rains on the 6th, 9th and 10th. Rains occurred again in rather copious quantities from the 13th to 15th, and in light amounts on the 17th, 19th, 23rd and 27th-28th. Hail of inconsequential amounts fell on a number of days during the month. No damage from wind occurred. F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 62.5°, which was 2.1° above normal. The highest temperature was 96° at Belvidere on the 31st, and the lowest, 28°, at Canoe Brook on the 1st. The greatest daily range of temperature was 51° at Canoe Brook on the 3d. The highest monthly mean temperature was 65.8° at Burlington, and the lowest, 56.3° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.2°; Red Sandstone Plain, +2.6°; Southern Interior, +2.5°; Sea Coast, +3.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 42 stations, was 3.12 inches, which was 0.61 inch below normal. The greatest monthly precipitation was 4.82 inches at Woodcliff Lake, and the least, 1.60 inches at Long Branch. The greatest amount of precipitation in any 24 consecutive hours was 2.97 inches at Dover on the 14-15th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.01 inches; Red Sandstone Plain, +0.80 inch; Southern Interior, +1.40 inches; Sea Coast, −1.39 inches.

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 6, 13, 16, 17, 19.
DENSE FOG: 8, 9, 13, 29, 30.
THUNDERSTORMS: 5, 6. 7, 10, 13, 14, 15, 17, 18, 19, 22, 23, 24, 26, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.00	30.39	1	29.61	15	14.9	33	nw.	27	74	65	74	71
Long Branch	29.98	30.40	1	29.55	14	10.3	31	sw.	13	69	49	59	73
Ridgefield	29.97	30.42	1	29.56	15	....	....	......	....	....	....	....	....
Sandy Hook	29.96	30.43	1	29.58	15	11.8	36	s.	12	76	57	70	74
Trenton	29.97	30.45	1	29.63	14	9.2	27	n.	19	69	45	54	77

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	......	......	......	......
1886	58.8	87	36	6.07	0	......	......	......	......
1887	63.3	94	35	1.37	0	6	......	......	......
1888	58.6	90	26	4.92	0	16	......	......	......
1889	62.3	94	32	4.09	0	12	......	......	......
1890	60.7	87	33	4.24	0	12	......	......	......
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	21	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
Period	60.4	102	21	3.73	0	11	13	9	9

Climatological Data for May, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	63.4	+3.0	96	31	37	1	44	4.01	+0.47	1.05	0	9	23	6	2	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	62.0	+4.8	92	31	30	3†	49	3.59	−0.29	1.40	0	9	25	0	6	s.	Newark Water Dept.
Culvers Lake‡‡..††	Sussex	848	36	......	......	......	......	......	......	....	2.25	−1.58	......	0	7	17	11	3	sw.	Mrs. Frances Grover.
Dover	Morris	600	53	60.8	+2.4	92	31	35	16	45	3.56	−0.07	2.97	0	9	7	16	8	......	William C. Harris
Layton....(near)	Sussex	480	36	56.3	−1.2	90	31	30	1†	47	4.39	+1.25	1.37	0	7	15	5	11	sw.	A. M. Depue.
Long Valley	Morris	660	6	60.6	......	92	31	32	3	48	4.03	......	2.05	0	9	18	8	5	w.	James E. Rice.
Newtou	Sussex	769	54	62.1	+2.7	91	31	34	1	43	4.15	+0.54	1.30	0	10	10	11	10	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	62.1	+1.1	91	31	38	1	39	3.66	+0.35	1.12	0	9	18	7	6	......	Town Engineer.
Sussex	Sussex	442	42	63.0^{a}	+3.7	90	31	34	16	45	4.24	+0.81	1.60	0	9	14	7	10	......	A. J. W. Mowatt
Means and extremes	......	......	....	61.3	+2.2	96	31	30	1†	49	3.95	+0.44	2.97	0	9	16	8	7	sw.	
The Red Sandstone Plain.																				
Boontou	Morris	400	§47	60.9	+2.6	91	31	35	3†	45	2.74	−0.96	1.41	......	11	17	1	13	nw.	John Kline.
Canoe Brook	Essex	173	7	59.8^{a}	......	91	31	28	1	51	3.14	......	1.35	......	10	19	6	6	w.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	2.36	−1.56	1.30	......	10	12	14	5	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	63.4^{d}	+1.7	92	31	38	1	42	2.75	−0.89	1.63	0	7	22	4	5	w.	Union County Park Comm.
Flemington	Hunterdon	140	§51	64.2	+3.2	92	31	37	1†	45	2.26	−1.26	0.92	0	11	20	7	4	sw.	Hiram E. Deats
Jersey City	Hudson	10	39	64.4	+3.1	90	31	43	11	33	2.83	−0.62	1.25	0	8	14	11	6	s.	S. K. Pearson.
Lambertville	Hunterdon	430	50	60.2	−0.8	88	31	38	3†	34	3.80	+0.14	1.35	0	13	20	7	4	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	63.6	+3.8	95	31	36	1	47	3.47	−0.47	2.30	0	11	16	8	7	nw.	Passaic Valley Water Co
Newark	Essex	10	2	63.2	+2.1	92	31	40	11†	36	2.35	−1.52	0.98	0	9	6	19	6	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	63.0	+2.6	90	31	37	1	38	2.45	−1.21	1.55	0	10	20	9	2	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	2.56	−0.95	1.40	......	9	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	65.0	+3.5	95	31	40	11†	37	3.20	−0.57	1.71	0	9	23	4	4	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	63.6	+3.8	91	31	37	11	41	3.05	−0.68	1.28	0	10	10	16	5	s.	S. K. Pearson.
Ridgefield	Bergen	80	20	63.2	+4.1	93	31	40	1†	40	3.22	−0.25	1.03	0	7	12	16	3	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	62.7	+2.2	90	31	38	11	39	3.04	−0.50	1.43	0	8	15	6	10	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	4.82	+1.48	2.04	......	9	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	67	63.3	+2.7	88	31	44	1	30	2.64	−0.60	1.60	0	9	13	10	8	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	62.9	+2.7	95	31	28	1	51	4.00	−0.65	2.30	0	10	16	9	6	uw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	63.3	+2.7	94	23	31	1	43	3.36	−0.16	1.10	0	9	20	8	3	sw.	Mrs. Edward C. Hoffman.
Bridgeton††	Cumberland	30	54	64.0	+0.5	92	23	36	1	40	3.52	+0.25	1.80	0	11	27	2	2	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	65.8	+2.9	94	31	37	1	42	3.93	+0.42	1.10	0	10	17	8	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	65.2	......	92	22	41	1	39	3.29	......	1.99	0	9	13	14	4	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	62.8	......	89	22	35	1	41	2.52	−1.26	0.95	0	11	26	2	3	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	63.8	......	92	22	34	1	41	3.60	−0.01	0.90	0	10	15	14	2	w.	J. G. Wilson.
Hightstown	Mercer	110	44	62.2	+1.4	88	22†	35	1	40	2.79	−0.82	1.36	0	12	17	11	3	sw.	James R. Pickering.
Iudian Mills‡‡	Burlington	76	48	62.8	+1.1	92	22	33	1	50	4.50	+1.16	2.48	0	8	12	14	5	nw.	James M. Armstrong.
Lakewood	Ocean	54	33	63.6	+3.6	90	22†	36	1	40	2.40	−1.38	0.60	0	11	18	9	4	sw.	R. W. Holman.
Moorestown	Burlington	62	74	63.4	+2.2	89	22	38	1	36	4.01	+0.49	1.96	0	11	19	8	4	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	64.2	......	92	22	38	1†	39	3.22	......	1.55	0	11	21	7	3	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	61.4	......	88	27	34	1	39	1.98	−1.20	0.60	......	10	23	6	2	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	62.7	......	93	31	30	3	50	2.69	−1.21	1.43	......	7	21	9	1	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	63.9	+2.8	90	31	42	1	33	2.86	−0.22	1.75	0	12	15	9	7	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	2.94	......	1.90	0	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	60.8	+1.0	90	22†	38	5†	45	1.86	−1.58	0.43	0	11	24	0	7	nw.	John H. Brown.
Philadelphia, Pa	......	26	66	65.3	+2.4	90	22	46	1	31	2.62	−0.64	1.55	0	9	13	9	9	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	63.3	+2.2	94	23†	30	3	50	3.06	−0.48	2.48	0	10	19	8	4	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	60.8	+2.7	86	27	43	1	28	1.85	−1.20	0.71	0	9	9	15	7	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	61.6	+3.6	91	31	38	1	34	1.60	−2.25	0.51	0	9	15	10	6	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	62.0	+3.6	86	31	45	1	26	1.94	−1.78	1.10	0	11	12	12	7	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	61.5	+3.3	91	31	38	1	34	1.80	−1.74	1.10	0	10	12	12	7	s.	
For the State	......	......	....	62.5	+2.1	96	31	28	1	51	3.12	−0.61	2.97	0	10	17	9	5	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-7-6-37-900

Daily Precipitation for May, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	....	....	....	....	.62	....	....	....	.12	....	....	.75	1.05	.97	....	.14	....	.16	....	....	....	.03	....	....	....	.17	....	....	....	....	4.01
Charlotteburg	Passaic	....	....	....	....	....	.50	....	....	....	....	....	....	*	1.23	1.40	....	.15	....	.14	....	....	.03	.12	....	....	....	....	.02	....	....	....	3.59
Culvers Lake	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Passaic	....	....	....	....	....	.15	....	....	.09	....	....	....	*	1.80	1.17	....	.11	....	.07	....	....	....	.05	....	....	....	.12	....	....	....	....	3.56
Layton	Delaware	....	....	....	....	....	.17	....	....	....	....	....	....	.05	1.37	1.17	....	.65	....	.26	....	....	....	T.	....	....	.35	.37	....	....	....	....	4.39
Long Valley	Raritan	....	....	....	....	....	.25	....	....	....	.10	....	....	.30	2.05	.85	.16	....	....	.12	....	....	....	.10	....	....	....	....	.10	....	....	....	4.03
Newton	Delaware	....	....	....	....	....	.56	....	....	....	.15	....	....	.08	1.30	1.30	....	.14	.02	.09	....	....	....	.21	....	....	....	....	.30	....	....	....	4.15
Phillipsburg	...do	....	....	....	....	....	.27	....	....	.17	....	....	....	1.07	1.12	.19	....	.08	....	.25	....	T.	.06	T.	....	....	....	.45	T.	....	....	....	3.66
Sussex	Hudson	....	....	....	....	....	.17	....	....	....	....	....	....	*	1.51	1.60	....	.17	....	.06	....	....	.06	.19	....	....	....	....	.48	....	....	....	4.24
The Red Sandstone Plain.																																	
Boonton ‖‖	Passaic	....	....	....	....	....	.08	.02	....	....	.13	....	....	....	.83	1.41	....	.11	.02	.04	....	....	....	.02	.02	....	....	....	.06	T.	....	....	2.74
Canoe Brook ‖‖	....do	....	....	....	....	....	.43	T.	....	....	.21	....	....	....	.49	1.35	....	.05	.03	.03	....	....	....	.23	.29	....	....	....	.03	....	....	....	3.14
Chatham ‖‖	....do	....	....	....	....	....	.04	....	....	....	.12	....	....	....	.47	1.30	....	.08	.06	.01	....	....	....	.02	.23	....	....	....	.03	....	....	....	2.36
Elizabeth	Coast	....	....	....	....	....	.27	.01	....	....	T.	....	....	T.	1.63	.36	....	.10	....	.05	....	....	....	.33	....	....	....	....	....	....	....	....	2.75
Flemington	Raritan	....	....	....	....	....	.11	....	.01	..	.16	....	....	.03	.92	.20	....	.11	....	.08	T.	....	....	.43	....	....	....	.18	.03	....	....	....	2.26
Jersey City	Coast	....	....	....	....	....	.37	T.	T.	T.	.03	....	....	.70	1.25	.18	....	.11	....	.18	T.	....	T.	.01	....	....	....	T.	T.	....	....	....	2.83
Lambertville	Delaware	....	....	....	....	....	.32	.05	.03	....	.07	....	....	.09	1.35	.60	....	.27	.02	.07	....	....	....	.40	....	....	T	.51	.02	....	....	....	3.80
Little Falls ‖‖	Passaic	....	....	....	....	....	.10	.20	....	....	.03	....	....	....	.65	2.30	....	.03	.04	.05	....	....	....	.02	.03	....	....	....	.02	....	....	....	3.47
Newark***	Coast	....	....	....	....	....	.44	....	T.	.04	T.	....	....	.43	.98	.03	T.	.04	....	.04	T.	T	.15	.20	....	....	....	T.	....	....	....	....	2.35
New Brunswick	Raritan	....	....	....	....	....	.06	.03	....	....	.04	....	....	.03	1.55	.41	....	.06	....	.04	....	....	....	.10	....	....	....	....	.13	....	....	....	2.45
New Milford**	Hackensack	....	....	....	....	....	.31	....	....	....	.02	....	....	.34	1.40	.24	....	.12	....	.07	....	....	.01	.05	....	....	....	....	....	....	....	....	2.56
Paterson	Passaic	....	....	....	....	....	.14	.13	....	....	.04	....	....	T.	1.71	.96	....	.09	....	.05	....	....	T.	.06	....	....	....	....	.02	....	....	....	3.20
Plainfield	Raritan	....	....	....	....	....	.31	....	....	....	.03	....	....	*	.77	1.28	....	.15	....	.04	T.	....	*	.44	T.	....	....	.03	....	....	....	....	3.05
Ridgefield**	Hackensack	....	....	....	....	....	.41	T.	T.	T.	.06	....	....	T.	.96	.61	....	.11	....	.04	....	....	....	1.03	....	....	....	T.	T.	....	....	....	3.22
Somerville	Raritan	....	....	....	....	....	.05	....	....	....	.19	....	....	T.	1.43	.43	....	.20	....	.06	....	....	....	.45	....	....	....	T.	.23	....	....	....	3.04
Woodcliff Lake**	Hackensack	....	....	....	....	....	2.04	....	....	....	.02	....	....	.50	1.77	.20	....	.18	....	.04	....	....	....	.03	....	....	....	.04	....	....	....	....	4.82
New York, N. Y***	Coast	....	....	....	....	....	.36	T.	T.	.03	T.	....	....	.64	1.33	.01	T.	.11	....	.11	T.	....	.01	.04	....	....	....	T.	T.	....	....	....	2.64
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	....	.10	T.	....	....	.18	....	....	....	.45	1.10	....	.30	....	.15	....	....	....	.43	.25	....	....	....	.40	....	....	....	3.36
Bridgeton	Delaware	....	....	....	....	.04	.05	....	.17	.34	....	....	....	.02	1.80	....	.06	....	....	....	....	....	....	.56	.05	....	....	.05	.38	....	....	....	3.52
Burlington	Delaware	....	....	....	....	....	.25	....	.30	.20	.10	....	....	....	1.10	.95	....	.30	....	....	.10	....	....	.20	....	....	....	.43	....	....	....	....	3.93
Camden**	...do	....	....	....	....	T.	.03	....	.05	T.	.14	....	....	.09	1.99	.01	....	T.	T.	.02	....	....	.05	T.	....	....	T.	.91	....	....	....	....	3.29
Freehold	Raritan	....	....	....	....	....	.43	.04	T.	....	.17	....	....	.08	.95	.32	....	.15	....	.08	T.	....	....	.08	T.	....	....	.02	.20	....	....	....	2.52
Hammonton	Mullica	....	....	....	....	....	.52	.37	.05	....	.38	....	....	....	.90	.68	....	T.	T.	.06	....	....	....	.25	.02	....	....	T.	.37	....	....	....	3.60
Hightstown	Raritan	....	....	....	....	....	.12	.01	T.	T.	.07	....	....	.07	1.36	.22	....	.07	....	.05	....	....	....	.02	T.	....	.01	.72	.07	....	....	....	2.79
Indian Mills	Mullica	....	....	....	....	....	.22	....	.03	....	.34	....	....	....	1.70	.78	....	....	....	T.	....	.04	....	....	....	....	T.	.80	.59	....	....	....	4.50
Lakewood	Metedeconk	....	....	....	....	....	.47	.20	T.	T.	.35	....	....	T.	.12	.26	....	.10	....	.16	.02	....	....	.10	....	....	....	.02	.60	....	....	....	2.40
Moorestown ‖‖	Delaware	....	....	....	....	....	.47	....	.06	....	....	....	....	.23	1.96	....	.02	.13	.03	....	....	....	.12	.35	....	....	.06	.58	....	....	....	....	4.01
Northfield	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Pemberton	Delaware	....	....	....	....	....	.05	.07	....	.01	.20	....	....	....	1.55	.37	....	.04	....	.01	.03	....	....	.22	....	....	....	....	.67	....	....	....	3.22
Pleasantville ‖‖	Coast	....	....	....	....	....	.01	.04	....	....	....	.13	....	....	....	.60	....	.14	T.	.25	.02	....	....	.26	.17	....	....	....	.36	....	....	....	1.98
Runyon	Coast	....	....	....	....	....	T.	.06	....	....	....	....	....	.41	1.43	.42	....	.06	....	.12	....	....	....	....	....	....	....	....	.19	....	....	....	2.69
Trenton***	Delaware	....	....	....	....	T.	.16	....	.02	.01	.03	....	....	.51	1 75	....	....	.03	T.	.03	....	....	.01	.02	....	....	.02	.27	....	....	....	....	2.86
Trenton No. 2**	....do	....	....	....	....	....	.16	....	.02	T.	.02	....	....	.39	1.90	....	....	.06	....	.04	....	....	.01	.02	....	....	.01	.31	....	....	....	....	2.94
Tuckerton	Coast	....	....	....	....	....	.02	.23	.02	.09	.31	....	....	....	.04	.27	....	.11	....	....	....	....	....	.26	.08	....	....	....	.43	....	....	....	1.86
Phila., Pa***	Delaware	....	....	....	....	T.	.25	....	.04	T.	.12	....	....	.29	1.42	....	....	T.	T.	.05	....	....	.04	.07	....	....	T.	.34	....	....	....	....	2.62
The Sea Coast.																																	
Atlantic City***	Coast	....	....	....	....	.02	.03	....	....	....	.10	....	....	....	.27	T.	....	.14	....	.31	....	....	.12	.61	....	....	T.	.25	....	....	....	....	1.85
Long Branch**	....do	....	....	....	....	....	.51	....	T.	.01	.19	....	....	.11	.30	T.	....	.11	....	.08	....	....	....	.10	....	....	T.	.19	T.	T.	....	....	1.60
Sandy Hook***	....do	....	....	....	....	....	.37	.01	....	.02	.05	....	....	.19	1.10	.01	....	.05	....	.06	....	....	T.	.02	....	....	....	.06	T.	....	....	....	1.94

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.200	.200	.208	.192	.240	.270	.112	.208	.048	.130	.216	.200	.192	.074	.022	.128	.178	.126	.134	.112	.104	.168	.182	.170	.192	.192	.120	.158	.096	.168	.184	4.924
	Wind movement	32	22	26	12	28	52	23	30	18	29	25	16	46	36	19	24	24	31	25	17	27	16	16	13	17	11	19	13	11	10	11	699
Pleasantville**	Evaporation	.288	.256	.256	.320	.250	.184	.320	.032	.192	.178	.288	.304	.272	.104	.192	.236	.320	.234	.068	.192	.304	.196	.362	.240	.288	.128	.200	.192	.096	352	.304	7.148
	Wind movement	61	114	57	112	121	81	56	102	36	78	48	134	121	122	68	103	96	67	51	80	66	76	62	53	65	80	76	69	*	168	32	2455
Runyon	Evaporation	.230	.210	.240	.250	.320	.090	.190	.080	.095	.120	.210	.220	.290	....	.180	.180	.180	.180	.120	.120	.210	.210	.240	.250	.210	.240	.210	.190	.210	.250	.250	5.975
	Wind movement	39	55	26	50	78	34	74	56	45	41	51	89	50	54	84	43	69	35	35	38	46	38	38	29	25	33	56	45	28	34	28	1436

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for May, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	79	77	82	84	83	75	76	68	75	70	80	77	80	69	62	73	73	75	70	65	79	90	86	77	84	90	83	76	86	91	96	78.4
	Minimum	37	40	38	45	45	60	48	45	54	50	39	41	58	62	47	38	41	43	47	43	43	57	55	47	46	55	65	58	54	56	57	48.5
Charlotteburg	Maximum	72	74	78	81	82	75	73	72	74	74	78	74	76	72	67	69	71	76	71	66	79	85	84	89	79	82	80	79	80	86	92	77.1
	Minimum	34	32	30	51	39	56	50	39	50	47	49	53	55	59	45	30	44	48	45	41	41	45	56	40	45	48	65	60	53	49	51	46.8
Dover	Maximum	74	74	81	81	77	72	73	59	73	67	75	73	74	68	57	66	68	71	61	59	75	85	80	73	80	80	79	68	78	84	92	73.5
	Minimum	37	37	36	46	46	45	51	44	47	45	38	49	53	56	45	35	48	47	48	43	45	49	58	48	49	54	67	60	56	55	57	48.2
Layton	Maximum	69	69	76	72	79	72	65	65	73	68	75	78	78	67	63	60	60	52	55	63	64	68	82	68	62	65	65	65	80	87	90	69.5
	Minimum	30	37	30	36	39	52	44	38	45	45	32	31	40	54	46	32	48	45	50	40	35	47	51	42	40	48	48	58	58	47	47	43.1
Long Valley	Maximum	72	74	80	82	82	72	74	54	74	60	72	74	74	72	60	74	70	70	60	62	74	90	82	74	76	84	82	72	86	84	92	74.5
	Minimum	38	40	32	46	42	56	46	46	50	46	34	36	56	60	42	40	44	43	44	42	42	42	52	52	48	50	60	54	52	62	60	46.7
Newton	Maximum	75	75	81	82	79	73	72	74	70	78	80	77	76	68	57	69	68	69	61	62	75	85	86	83	80	83	80	83	83	85	91	76.1
	Minimum	34	39	38	49	49	56	46	52	48	45	38	42	55	50	43	35	45	43	49	41	46	52	69	49	46	55	55	56	50	58	58	48.1
Phillipsburg	Maximum	75	75	78	81	79	72	74	61	73	63	76	74	75	65	60	68	72	72	63	65	77	86	81	77	80	85	79	72	81	87	91	74.7
	Minimum	38	39	39	44	46	60	51	44	51	48	39	41	59	51	47	39	50	48	53	46	42	51	61	50	47	55	64	60	55	58	57	49.5
Sussex	Maximum	79	82	81	81	82	80	79	79	76	76	76	78	78	71	55	70	72	72	70	65	77	93	82	82	85	86	87	76	87	90	....	78.2ᵃ
	Minimum	36	39	36	45	45	59	49	42	50	46	38	37	57	53	45	34	49	45	50	43	46	49	59	46	45	53	64	59	52	52	55	47.7
The Red Sandstone Plain.																																	
Boonton§§	Maximum	75	76	80	82	78	73	71	57	71	63	76	75	77	70	63	68	68	70	62	63	75	84	80	76	80	82	81	71	81	84	91	74.3
	Minimum	38	37	35	42	41	50	52	46	50	51	35	37	48	59	49	35	43	41	52	45	48	48	54	49	48	52	58	61	57	55	56	47.5
Canoe Brook§§	Maximum	75	74	80	81	80	77	75	61	72	65	76	76	76	73	65	71	70	72	64	64	76	87	80	76	75	....	82	73	80	85	91	75.1ᵃ
	Minimum	28	31	29	37	40	55	52	42	46	48	31	32	54	59	47	32	43	38	50	40	35	44	57	43	39	48	64	58	55	53	52	44.6
Elizabeth	Maximum	76	74	82	84	82	76	77	68	74	71	72	70	65	71	61	73	73	74	67	68	80	89	86	79	82	85	85	77	79	87	92	76.7
	Minimum	38	40	44	42	44	58	55	51	51	45	....	....	....	....	50	39	47	41	52	45	44	52	61	52	48	54	67	61	57	57	57	50.1ᵈ
Flemington	Maximum	75	75	81	82	80	78	76	73	74	70	82	77	80	77	64	73	74	76	71	66	82	91	83	80	85	87	86	80	85	90	92	78.9
	Minimum	37	39	38	38	43	58	53	44	51	52	37	41	57	62	48	39	50	48	52	45	46	50	61	50	50	55	61	60	54	56	57	49.4
Jersey City	Maximum	75	75	79	83	75	75	75	58	71	66	76	76	77	71	62	71	71	71	63	63	77	85	84	77	79	81	84	73	79	85	90	75.1
	Minimum	44	48	49	52	56	55	55	51	50	49	43	52	60	58	50	46	52	49	53	47	52	59	64	59	53	60	65	58	57	56	61	53.6
Lambertville	Maximum	68	70	68	71	72	78	65	55	71	65	72	72	76	69	64	69	69	70	65	68	73	87	82	75	78	84	81	73	80	84	88	73.0
	Minimum	40	39	38	39	40	52	42	44	52	44	38	48	50	50	40	42	46	42	40	40	48	50	61	49	49	51	60	60	58	53	60	47.3
Little Falls§§	Maximum	77	77	84	83	79	75	76	61	75	65	77	78	80	72	66	72	70	73	66	65	79	89	85	77	84	86	84	74	84	87	95	77.3
	Minimum	36	38	37	59	46	57	54	49	50	50	38	39	58	61	49	40	46	45	52	43	42	49	60	49	48	54	67	60	57	55	57	49.8
Newark	Maximum	74	72	80	82	76	69	74	56	72	65	76	78	76	71	60	69	69	70	62	63	78	89	85	77	80	80	83	68	77	84	92	74.4
	Minimum	44	45	44	48	49	56	56	51	51	47	40	49	56	57	49	40	50	46	52	45	50	58	64	57	56	56	65	58	56	57	58	51.9
New Brunswick	Maximum	74	72	77	80	80	76	73	71	72	69	74	76	77	71	62	69	70	70	67	63	75	88	84	76	79	84	82	80	79	85	90	75.6
	Minimum	37	39	39	44	46	58	54	48	50	52	38	45	58	61	50	40	51	45	52	43	46	52	61	52	49	54	67	60	57	55	58	50.4
Paterson	Maximum	75	75	81	84	80	75	77	74	75	73	77	77	78	71	61	72	71	74	69	64	78	89	85	77	82	82	83	79	82	89	95	77.5
	Minimum	41	44	44	60	52	57	55	50	51	62	40	45	57	61	49	40	48	48	52	44	50	53	62	55	53	57	68	62	57	56	64	52.5
Plainfield	Maximum	76	77	79	84	82	79	75	58	72	68	77	78	77	72	63	72	72	72	63	63	78	89	85	78	79	83	84	76	80	87	91	76.4
	Minimum	38	39	38	45	60	57	55	51	50	50	37	42	60	60	50	38	51	44	52	46	47	50	61	51	49	53	66	61	57	57	58	50.7
Ridgefield	Maximum	75	74	81	84	76	76	76	57	74	64	76	77	76	71	60	70	71	73	60	62	76	87	85	75	80	81	81	66	80	84	93	74.9
	Minimum	40	44	41	49	52	57	55	50	52	46	40	44	59	60	45	41	51	48	53	45	47	55	65	54	50	57	67	60	55	56	61	51.6
Somerville	Maximum	75	75	77	82	79	77	73	63	71	66	77	76	75	71	71	68	67	69	65	64	75	87	81	75	79	83	82	73	80	85	90	75.2
	Minimum	43	43	39	43	48	57	50	48	49	47	38	47	55	61	46	39	49	44	51	46	46	55	61	50	47	56	65	59	53	61	59	50.2
New York, N. Y	Maximum	74	72	78	80	70	71	74	59	69	63	73	73	76	69	59	70	67	68	63	61	75	81	82	74	78	78	82	69	76	81	88	72.7
	Minimum	44	49	57	54	54	54	54	51	50	47	44	56	59	55	49	48	52	50	53	47	54	61	65	60	55	61	64	57	56	55	61	53.9
The Southern Interior.																																	
Belleplain	Maximum	74	71	72	77	78	78	73	68	72	67	75	75	85	80	64	70	76	72	69	69	75	91	94	91	83	83	86	88	80	81	85	77.5
	Minimum	31	35	40	38	45	55	50	40	48	50	34	38	58	60	52	38	50	48	52	39	43	50	61	60	47	56	66	61	56	48	73	49.1
Bridgeton§§	Maximum	76	76	76	80	79	79	74	65	73	65	75	77	86	71	66	71	75	72	70	70	74	76	92	86	80	81	86	86	81	81	91	77.1
	Minimum	36	40	42	42	47	57	51	46	48	52	39	46	49	61	51	43	51	50	53	43	47	50	52	61	60	53	60	68	62	58	57	50.8
Burlington	Maximum	75	75	78	83	81	85	75	74	73	75	75	78	85	80	68	72	78	76	70	77	78	89	92	80	86	92	87	85	83	88	94	80.2
	Minimum	37	40	43	41	45	59	54	46	51	53	40	43	60	63	52	41	52	50	53	46	46	52	60	55	52	55	69	63	59	53	57	51.3
Camden	Maximum	71	74	77	81	81	78	76	59	71	66	76	77	85	73	62	74	75	74	67	68	76	92	86	79	81	85	85	78	80	87	90	76.9
	Minimum	41	44	48	48	60	61	56	50	51	44	47	46	63	59	49	44	50	53	52	48	50	53	64	59	57	60	65	62	60	59	61	53.4
Freehold	Maximum	73	72	77	80	79	75	74	63	72	72	73	76	81	72	62	68	71	70	64	63	75	89	87	76	80	85	82	80	79	84	88	75.6
	Minimum	35	38	36	47	46	67	53	49	49	51	39	47	59	61	50	40	50	46	45	43	49	52	61	52	48	53	67	60	55	52	56	49.9
Hammonton	Maximum	75	75	78	81	81	79	75	64	72	65	74	77	85	74	62	73	74	72	69	68	68	92	88	79	82	85	84	81	81	86	89	77.0
	Minimum	34	38	40	45	46	58	53	46	50	52	38	41	60	62	53	40	51	46	54	43	46	53	63	58	50	57	67	62	57	51	58	50.7
Hightstown	Maximum	74	72	77	79	80	76	74	66	71	67	72	76	81	69	62	71	70	69	66	63	74	88	83	77	79	85	81	73	79	85	88	75.1
	Minimum	35	37	37	45	46	58	51	45	49	51	37	44	57	61	49	40	50	46	52	41	45	53	60	61	45	54	63	60	56	55	57	49.4
Indian Mills	Maximum	72	72	76	81	82	78	76	68	73	68	72	76	85	77	64	73	76	72	78	66	76	92	88	80	82	88	84	77	77	85	90	77.6
	Minimum	33	38	40	36	32	61	61	43	50	51	34	39	49	61	48	38	45	43	54	40	42	51	61	55	47	56	65	62	57	51	54	48.0
Lakewood	Maximum	73	69	75	81	78	75	72	65	74	66	75	77	80	77	63	68	73	73	70	65	76	90	88	80	78	87	83	83	76	81	90	76.2
	Minimum	36	40	39	47	48	57	52	45	60	53	37	46	60	63	52	39	51	47	54	44	46	50	63	55	50	52	68	63	58	54	58	50.9
Moorestown	Maximum	74	73	76	79	80	76	73	59	71	62	73	76	84	72	69	70	72	70	68	67	75	89	82	77	81	84	82	77	80	84	86	75.5
	Minimum	38	43	41	49	54	56	52	46	46	47	45	45	60	63	51	41	53	50	53	42	48	56	52	53	51	56	70	62	58	55	56	51.3
Pemberton	Maximum	75	75	76	78	80	77	75	74	72	72	74	76	85	78	64	73	72	72	72	64	76	92	91	79	81	86	83	83	82	86	89	77.8
	Minimum	38	42	42	42	45	58	51	46	51	51	38	42	69	62	61	42	50	46	54	43	42	53	62	54	49	55	68	62	59	55	66	50.6
Pleasantville§§	Maximum	73	66	68	78	65	69	73	60	66	70	77	78	76	69	65	70	78	75	69	69	79	84	82	80	72	78	88	79	71	76	84	73.8
	Minimum	34	38	41	41	50	54	53	45	49	53	36	39	39	39	54	38	51	50	54	43	44	56	62	61	49	60	62	61	57	49	55	48.9
Runyon	Maximum	75	75	80	83	82	77	75	72	74	73	78	78	80	70	64	72	72	74	73	76	88	91	89	80	86	87	86	84	87	90	93	79.5
	Minimum	33	31	30	45	42	57	46	40	40	53	31	44	58	60	50	33	45	48	40	37	46	47	59	45	39	39	58	59	49	56	63	45.9
Trenton	Maximum	74	72	76	80	80	75	73	58	72	63	74	76	80	72	61	70	72	71	67	65	75	89	83	77	80	85	83	75	80	86	90	75.3
	Minimum	42	46	45	49	50	68	53	50	50	47	43	60	60	53	50	46	52	51	50	46	50	56	65	57	55	60	64	60	67	54	60	52.5
Tuckerton	Maximum	70	65	68	70	74	72	71	60	68	68	74	72	78	72	70	71	73	75	71	68	77	90	84	75	72	80	93	78	80	75	90	74.3
	Minimum	40	40	40	40	38	48	45	42	48	50	38	40	55	55	50	40	40	38	60	50	42	45	60	50	45	60	62	55	55	48	55	47.2
Philadelphia, Pa	Maximum	74	74	75	77	78	74	72	59	70	63	75	76	83	70	63	69	72	70	69	69	75	90	83	77	80	83	83	79	80	84	86	75.2
	Minimum	46	48	48	52	61	60	55	52	62	51	48	52	61	57	50	49	53	55	53	49	54	59	66	61	60	62	66	62	60	61	63	55.4
The Sea Coast.																																	
Atlantic City	Maximum	71	60	62	71	60	63	68	56	61	68	68	63	65	63	64	62	76	74	64	68	77	75	72	73	68	70	86	76	65	69	74	68.1
	Minimum	43	45	45	61	52	54	55	50	50	49	49	52	56	55	54	51	51	53	53	46	52	57	61	62	58	62	61	57	57	56	62	53.4
Long Branch	Maximum	72	67	74	80	68	67	72	49	70	65	69	75	74	72	61	66	73	71	60	64	76	79	80	78	71	80	84	68	68	74	91	71.5
	Minimum	38	45	44	51	51	55	54	47	48	46	41	52	60	57	47	40	52	49	61	46	50	68	64	58	55	56	65	56	55	56	60	51.8
Sandy Hook	Maximum	72	66	71	77	68	66	61	56	67	65	68	73	73	69	60	65	70	69	61	61	72	82	79	75	75	79	80	65	69	75	86	70.5
	Minimum	45	49	49	54	53	54	53	47	50	50	47	54	58	55	52	49	54	52	53	49	52	58	61	57	55	59	64	57	56	56	60	53.6

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. JUNE, 1937. No. 6.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average rainfall for the State was in excess of normal. As is usual during the summer months, due to thunderstorms, the monthly amounts recorded showed quite a wide range, over four inches as a matter of fact. Only six stations of the forty five reporting this month had a rainfall below the normal amount, however. During the 53 years of June records available there were only ten cases where the State average rainfall was in excess of the amount which fell during this June. The precipitation was well distributed throughout the month, the only dry spell being one of four days duration from the 23rd to the 26th inclusive.

The temperature averaged somewhat above normal. The highest temperatures, with one or two exceptions, were all in the nineties and occurred generally on the 1st, although in the southern section of the State the 6th seemed to be the more frequent date of occurrence. The minima were mostly in the forties or low fifties, and generally occurred on the 12th. No protracted warm spells or cool periods occurred during the month; there were, however, individual days which showed a considerable departure from normal, notably the 1st, 6th, and 7th which were warm and the 11th and 28th which were cool. No damage from either wind or hail was reported. F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 70.5°, which was 1.7° above normal. The highest temperature was 99° at Belvidere on the 1st, and the lowest, 41°, at three stations on either the 12th or 19th. The greatest daily range of temperature was 41° at three stations on various dates. The highest monthly mean temperature was 73.1° at Bridgeton, and the lowest, 67.2° at Canoe Brook.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.2°; Red Sandstone Plain, +2.4°; Southern Interior, +2.3°; Sea Coast, +3.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 4.66 inches, which was 0.95 inch above normal. The greatest monthly precipitation was 7.20 inches, at Newton, and the least, 2.86 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 3.36 inches at Little Falls on the 6th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +3.31 inches; Red Sandstone Plain, +1.60 inches; Southern Interior, +2.26 inches; Sea Coast, —1.18 inches.

ERRATA.

January 1937. Long Valley: days with .01 or more of precipitation should be 17. Sussex: monthly mean temperature, 34.8°.

February 1937. Belleplain: greatest 24 hour precipitation, 0.71, on the 8th.

April 1937. Sussex: monthly mean temperature, 49.4°.

Bridgeton: Minimum temperatures preceding April 1, 1937, should be set ahead one day in each case.

May 1937. Indian Mills: mean maximum temperature, 77.5°. Tuckerton: maximum temperature, 93°, on the 27th. General summary: third line should read, "Only ten years".

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 6, 14.

DENSE FOG: 3, 4, 17, 18, 29.

THUNDERSTORMS: 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 21, 22, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.92	30.26	16	29.47	22	14.3	36	ne.	11	81	75	82	55
Long Branch	29.90	30.28	16	29.45	21	9.3	26	nw.	10	75	67	63	64
Ridgefield	29.90	30.29	16	29.35	21	......	.....	......	....	....	....	...	...
Sandy Hook	29.98	30.28	16	29.46	21	10.7	43	se.	14	80	67	[illegible]	63
Trenton	29.90	30.28	16	29.45	21	8.2	25	s.	10	77	55	65	68

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	1.57	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	64.0	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	106	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	73.6	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
Period	68.8	106	30	3.71	0	10	13	10	7

Climatological Data for June, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	71.8	+2.9	99	1	48	12	36	6.47	+2.47	1.46	0	13	20	3	7	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	69.4	+4.4	96	10	41	12	39	5.54	+1.08	1.63	0	16	14	0	16	sw.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	5.36	+0.92	......	0	....	....	....	....	......	Mrs. Frances Grover.
Dover	Morris	600	53	68.3	+1.5	92	1	48	12	34	4.72	+0.29	1.32	0	12	2	14	14	......	William C. Harris
Layton....(near)	Sussex	480	36	67.4	+1.7	95	1	45	12	41	4.97	+0.44	1.67	0	13	11	6	13	w.	A. M. Depue.
Long Valley	Morris	660	6	69.2	......	92	1	50	5†	38	4.05	....	1.70	0	11	15	11	4	e.	James E. Rice.
Newton	Sussex	769	54	68.3	+0.3	96	1	41	19	37	7.20	+2.72	1.90	0	14	5	12	13	nw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	70.4	+1.1	94	1	48	12	33	5.05	+1.32	1.46	0	12	12	7	11	......	Town Engineer.
Sussex	Sussex	442	42	70.2^{j}	+3.4	......	......	......	......	....	5.25	+1.17	......	0	13	11	6	13	......	A. J. W. Mowatt
Means and extremes	......	......	....	69.4	+2.2	99	1	41	19	41	5.40	+1.30	1.90	0	13	11	7	12	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	68.8	+1.5	91	1	46	12	36	5.39	+1.43	2.18	......	9	17	0	13	ne.	John Kline.
Canoe Brook	Essex	173	7	67.2	......	92	1	42	12	41	4.94	....	1.83	......	13	15	9	6	w.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	4.67	+0.71	1.87	......	14	11	15	4	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	71.6^{d}	+1.2	95	1	49	12	37	3.89	+0.29	1.40	0	11	14	3	13	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§51	72.1	+2.6	95	1	51	12	34	5.78	+2.17	1.62	0	15	14	9	7	e.	Hiram E. Deats
Jersey City	Hudson	10	39	71.1	+0.2	93	1	54	11	26	3.07	−0.71	0.64	0	16	5	12	13	n.	S. K. Pearson.
Lambertville	Hunterdon	430	50	69.2	−0.3	91	1	51	14	31	4.93	+1.17	0.80	0	15	12	6	12	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	70.4	+1.7	95	1	48	12	35	7.00	+2.98	3.36	0	15	9	14	7	w.	Passaic Valley Water Co
Newark	Essex	10	2	70 8	+1.2	94	1	53	12	29	3.62	−0.90	0.94	0	15	1	19	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	71.0	+1.8	92	1	52	12	31	3.35	−0.33	0.72	0	10	12	13	5	n.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......		......	....	4.24	+0.69	1.17	......	14	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	71.9	+1.9	95	1	54	11	31	5.82	+2.12	2.60	0	15	12	8	10	ne.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	70.6	+2.0	96	1	52	13	33	4.64	+0.77	0.97	0	12	9	11	10	n.	S. K .Pearson.
Ridgefield	Bergen	80	20	70.7	+3.1	94	1	52	12	28	4.02	−0.12	1.23	0	16	8	15	7	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	69.2	0.0	92	1	53	3†	30	4.84	+1.33	1.45	0	14	8	7	15	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	3.80	+0.44	1.60	......	13	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	67	70.6	+1.8	89	1	54	11	23	3.07	−0.26	0.93	0	15	4	12	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	70.4	+1.4	96	1	42	12	41	4.12	+0.80	3.36	0	14	11	10	9	n.	
The Southern Interior.																				
Belleplain	Cape May	30	43	72.6	+3.7	92	6	42	12	38	2.86	−0.58	0.70	0	8	12	11	7	s.	Mrs. Edward C. Hoffman.
Bridgeton††	Cumberland	30	54	73.1	+1.0	96	6	50	12	36	4.88	+0.96	0.87	0	16	18	4	8	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	73.0	+1.3	97	6	49	12	33	3.34	−0.35	0.83	0	11	13	9	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	72.9	......	97	6	51	12	29	4.33	....	1.46	0	10	6	13	11	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	71.0	......	92	1	50	12	31	5.29	+1.68	1.80	0	12	18	6	6	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	72.2	......	96	6	47	12	35	4.10	+0.34	1.38	0	11	8	14	8	sw.	J. G. Wilson.
Hightstown	Mercer	110	44	70.0	+0.9	90	1†	49	12	32	6.02	+2.26	1.12	0	16	10	13	7	e.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	71.6	+1.7	93	6	47	12	34	5.60	+1.67	1.20	0	11	5	16	9	sw.	James M. Armstrong.
Lakewood	Ocean	54	33	70.9	+2.7	93	1	48	12	34	4.63	+0.62	1.35	0	13	11	9	10	sw.	R. W. Holman.
Moorestown	Burlington	62	74	70.7	+0.5	91	6	50	12	29	4.07	+0.29	1.75	0	12	12	9	9	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	4.65	+1.36	1.16	0	14	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	72.4	......	93	6	47	13	38	3.72	....	1.14	0	9	15	7	8	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	70.0	+1.7	90	7	45	12	35	4.79	+1.29	1.93	......	11	17	5	8	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	70.2	+1.6	94	1	41	12	41	3.84	+0.31	0.84	......	11	13	14	3	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	71.2	+1.7	92	6	54	11	28	4.05	+0.96	1.22	0	12	7	11	2	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	4.66	....	0.93	0	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	69.9	+1.1	90	6†	45	12	35	4.92	+1.19	1.30	0	14	15	5	10	ne.	John H. Brown.
Philadelphia, Pa.	......	26	66	72.6	+1.2	91	6	55	11	24	3.51	+0.27	1.02	0	11	5	14	11	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	71.4	+1.6	97	6	41	12	41	4.46	+0.86	1.93	0	12	12	10	8	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	69.5	+2.9	87	7	54	12	23	3.45	+0.41	0.72	0	15	2	13	15	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	70.2	+3.1	94	1	52	12	30	4.01	+0.15	1.57	0	13	7	12	11	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	70.0	+2.2	90	1	58	11	22	3.86	+0.08	1.22	0	12	6	9	15	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	69.9	+2.8	94	1	52	12	30	3.77	+0.21	1.57	0	13	5	11	14	se.	
For the State	......	......	....	70.5	+1.7	99	1	41	12†	41	4.66	+0.95	3.36	0	13	11	9	10	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. ʃ Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-2-37-900

Daily Precipitation for June, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.23	....	.09	....	....	.71	....	....	....	.13	.25	....	....	.65	....	....	.15	.40	.75	....	.30	1.46	....	....	....	....	....	.25	....	1.10	....	6.47
Charlotteburg	Passaic	....	....	.09	....	....	1.32	.05	.02	....	.20	.27	....	....	.19	.18	....	....	.65	.54	.02	.02	1.63	....	....	....	....	.20	.13	....	.03	....	5.54
Culvers Lake	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.11	....	....	....	....	....	.25	....	....	....	‡‡5.36
Dover	Passaic	....	....	.05	....	....	.60	....	.03	.11	....	.31	....	....	.45	....	....	.03	.12	....	....	1.32	.39	....	....	....	....	....	.32	....	.99	....	4.72
Layton	Delaware	....	....	.51	.04	....	.26	.38	....	....	....	.07	....	....	.21	.21	....	.25	.72	.02	....	.35	1.67	....	....	....	....	....	.28	....	....	....	4.97
Long Valley	Raritan	....	.05	T.	.02	....	1.20	....	....	....	.07	.26	....	....	.10	.14	....	....	.17	....	....	.07	1.70	....	....	....	....	....	.27	....	T.	....	4.05
Newton	Delaware	....	....	.02	.06	....	1.70	.15	T.	....	.41	.18	....	....	.43	.02	....	.22	1.90	.11	....	.06	1.68	....	....	....	....	....	.26	....	....	....	7.20
Phillipsburg	...do	.34	....	.31	....	....	.16	.09	T.	T.	T	.36	....	T.	.83	....	....	.16	.15	T.	....	1.37	.09	....	....	....	....	....	.30	....	.89	....	5.05
Sussex	Hudson	....	.08	.06	....	....	1.70	.15	....	....	.41	.18	....	....	.24	.03	....	....	.24	.30	....	.09	1.59	....	....	....	....	....	.18	....	....	....	5.25
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	....	....	....	.03	....	....	1.64	....	....	....	.52	.12	....	.19	.07	....	....	.20	T.	T.	T.	2.18	....	....	....	....	....	T.	.44	....	....	5.39
Canoe Brook ‖	...do	....	.01	....	.41	....	....	.71	.01	T.	....	.53	.15	....	.64	.04	....	....	.15	.23	....	T.	1.83	....	....	....	....	....	.01	.22	....	....	4.94
Chatham ‖	...do	....	.02	....	.34	....	....	.50	....	.02	....	.42	.26	.08	.52	.07	....	....	.09	.24	.02	T.	1.87	....	....	....	....	....	....	.22	....	....	4.67
Elizabeth	Coast	....	....	.01	T.	....	.09	.75	.05	....	....	.40	....	....	.72	.09	....	.06	.11	T.	T.	....	1.40	....	....	....	....	T.	.21	....	....	....	3.89
Flemington	Raritan	....	T.	.04	.11	....	.43	.27	.01	....	T.	.47	....	....	.98	.02	....	.22	.17	....	....	.01	.86	....	....	....	....	....	.56	.01	1.62	....	5.78
Jersey City	Coast	T.	T.	.04	T.	....	.15	.01	.01	....	.15	.32	.03	....	.64	....	....	.11	.07	.01	....	.57	.40	....	....	....	T.	.20	.27	....	.09	....	3.07
Lambertville	Delaware	....	T.	.04	.19	....	.73	....	....	....	.52	.42	....	....	.80	.04	T.	.15	.19	.08	.01	.21	.68	....	....	....	....	....	.66	....	.21	....	4.93
Little Falls ‖	Passaic	....	....	....	.29	....	....	3.36	....	.02	....	.44	.10	....	.30	.06	....	....	.07	.06	....	....	1.91	.04	....	....	....	.01	.02	.31	.01	....	7.00
Newark***	Coast	....	....	.05	.01	....	.42	....	.03	....	.36	.34	.03	.04	.49	....	....	.21	.11	....	T.	.94	T.	....	....	....	....	.01	.21	....	.37	....	3.62
New Brunswick	Raritan	....	....	.04	.05	....	.14	.36	.03	....	....	.66	....	....	.70	T.	....	....	.17	T	....	....	.72	....	....	....	....	....	.48	T.	....	....	3.35
New Milford**	Hackensack	.26	....	.10	....	....	.72	....	.03	....	.25	.17	....	....	.56	....	....	.10	.05	....	....	1.17	.15	....	....	....	....	.20	.24	....	.24	....	4.24
Paterson	Passaic	....	....	.11	.03	....	2.60	....	.03	....	.08	.26	....	....	.31	....	....	....	.22	.04	....	.04	1.69	.02	....	....	....	.06	.31	T.	.02	....	5.82
Plainfield	Raritan	....	....	.22	.01	....	.70	....	.03	....	T.	.40	....	....	.65	.22	....	T.	.18	T.	....	.31	.97	....	....	....	....	....	.36	....	.59	....	4.64
Ridgefield**	Hackensack	.04	....	.16	.07	....	.42	....	.02	....	.12	.26	....	....	.35	.06	....	.16	.06	.06	....	.31	1.23	....	....	....	....	.49	.21	....	T.	....	4.02
Somerville	Raritan	....	....	.40	.08	....	.78	.02	.01	....	.03	.55	....	....	.58	.06	....	.05	.27	....	....	.15	1.45	....	....	....	....	....	.41	....	T.	....	4.84
Woodcliff Lake**	Hackensack	.09	....	.20	....	....	.13	....	.02	....	....	.20	....	....	.23	....	....	.20	.39	....	....	1.60	.12	....	....	....	....	.19	.20	....	.23	....	3.80
New York, N. Y***	Coast	T.	....	.03	....	....	.15	.01	.01	....	.13	.34	.03	....	.59	....	....	.11	.08	....	....	.90	.05	....	....	....	T.	.19	.27	....	.18	....	3.07
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	.24	T.	....	....	.50	....	....	.56	....	....	T.	.37	....	....	.10	.14	....	....	.25	....	....	....	....	....	.70	T.	T.	....	2.86
Bridgeton	Delaware	....	....	.07	....	....	.25	.52	....	....	.87	.23	....	.37	.29	.17	....	.20	.12	.06	....	.60	....	....	....	....	....	.20	.70	.12	.11	....	4.88
Burlington	Delaware	....	....	T.	.27	....	.18	.08	.10	....	....	.75	T.	....	.20	.17	....	.40	.13	....	....	....	.38	....	....	....	....	....	.23	....	....	....	3.34
Camden**	..do	....	....	.12	T.	....	.40	....	.02	....	.08	1.02	T.	....	.35	....	....	.43	....	T.	T.	1.46	....	....	....	....	....	....	.38	....	.07	....	4.33
Freehold	Raritan	....	.33	....	.05	....	.68	....	.04	....	....	.85	....	....	.93	.06	....	.24	.18	....	.02	....	1.80	T.	....	....	....	....	.11	....	T.	....	5.29
Hammonton	Mullica	....	....	....	.10	....	T.	....	.07	....	T.	1.03	....	....	1.38	.10	....	.08	.11	.23	....	T.	.16	....	....	....	....	....	.72	....	.12	....	4.10
Hightstown	Raritan	....	.88	.03	.15	....	.92	.05	.03	T.	....	.75	....	....	.97	.03	....	.01	.12	T.	.01	.12	1.12	....	....	....	....	....	.22	T.	.61	....	6.02
Indian Mills	Mullica	....	....	....	.09	....	....	....	.02	....	....	1.00	....	....	.48	1.20	....	.11	.15	1.17	....	.28	....	....	....	....	....	....	.99	....	.11	....	5.60
Lakewood	Metedeconk	....	....	....	.07	....	.55	.10	.04	....	.06	1.08	....	....	.18	.57	....	.35	.06	T.	T.	T.	1.35	.02	....	....	....	....	.20	....	T.	....	4.63
Moorestown ‖	Delaware	....	....	.10	....	....	.18	.04	....	....	.50	.39	T	.13	.18	....	....	.28	T	T.	....	1.75	....	....	....	....	....	.09	.25	....	.18	....	4.07
Northfield	Coast	....	....	....	.17	....	....	.09	.49	....	.22	.46	....	....	.29	.31	....	....	.04	1.16	.01	....	.62	....	....	....	....	....	.77	.01	.01	....	4.65
Pemberton	Delaware	....	....	....	.05	....	....	....	T.	....	....	.98	....	....	.12	.63	....	.02	.32	....	....	T.	1.14	....	....	....	....	....	.45	.01	....	....	3.72
Pleasantville ‖	Coast	....	....	....	.12	....	....	....	.30	....	....	.36	.21	....	.66	.15	....	....	T.	.03	1.93	....	.49	....	....	....	....	....	.14	.40	....	....	4.79
Runyon	Coast	....	....	....	.08	....	.34	.29	.03	....	....	.72	....	....	.78	.28	....	....	.10	.16	....	....	.84	....	....	....	....	....	.22	....	....	....	3.84
Trenton***	Delaware	.12	....	.15	.03	....	1.12	....	.01	.10	T.	.62	....	T.	.26	....	....	.13	T.	T.	T.	.66	T.	....	....	....	....	....	.25	....	.50	....	4.05
Trenton No. 2**	...do	.19	....	.14	.08	....	.83	....	.03	.30	T.	.75	....	....	.38	....	....	.27	....	....	....	.93	....	....	....	....	....	....	.27	....	.49	....	4.66
Tuckerton	Coast	....	....	....	.43	....	.01	....	.25	....	....	.68	....	....	.66	.36	.21	....	.38	.10	.02	....	1.30	....	....	....	....	.02	.45	.05	....	....	4.92
Phila., Pa***	Delaware	....	....	.12	.01	....	.44	....	T.	....	.04	.77	T.	.02	.14	....	....	.45	....	....	T.	1.02	....	....	....	....	....	....	.36	....	.14	....	3.51
The Sea Coast.																																	
Atlantic City***	Coast	....	T	.12	.04	....	....	.19	.06	....	.17	.33	....	....	.70	.02	....	T.	.02	.62	....	.16	.22	....	....	....	....	.07	.72	....	.01	....	3.45
Long Branch**	...do	....	....	.01	....	....	.13	.01	T.	T	T.	1.02	....	....	.69	....	....	.22	.05	T.	.02	1.57	.07	....	....	....	....	.01	.18	....	.03	....	4.01
Sandy Hook***	...do	....	....	.04	.04	....	.36	....	.07	....	T.	.71	....	....	.92	T.	....	.24	.02	T.	.01	1.22	T.	....	....	....	....	.04	.19	....	T.	....	3.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡‡ Amount recorded on 22nd is rainfall from 1st to 22nd.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.192	.202	.192	.058	.208	.144	.134	.202	.096	.224	.146	.150	.064	.208	.104	.168	.240	.134	.110	.128	.048	.038	.176	.208	.256	.192	.192	.098	*	.156	....	4.468
	Wind movement	11	14	19	5	12	6	8	8	7	23	22	6	5	14	15	5	25	33	11	23	7	16	16	5	6	6	16	14	4	6	....	368
Pleasantville**	Evaporation	.304	.320	.152	.256	.256	.176	.252	.160	.256	.200	*	.274	.308	.198	.128	.288	.128	.222	.010	.176	.138	.320	.288	.304	.304	.256	.076	.032	.160	156	....	6.098
	Wind movement	78	95	49	*	96	45	45	35	88	96	52	47	91	75	317	80	73	63	91	90	18	35	36	29	41	62	76	39	23	39	....	2004
Runyon	Evaporation	.250	.250	.210	.200	.230	.130	.230	.150	.210	.250	.090	.210	.180	220	.280	.210	.210	.160	.220	.060	.060	.200	.240	.240	.250	.240	.160	.060	.120	.210	....	5.730
	Wind movement	42	80	26	23	18	15	30	30	40	48	48	14	16	48	42	42	49	53	49	30	29	38	14	10	18	24	28	19	17	19	....	959

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for June, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	99	87	74	84	90	92	89	83	91	86	76	83	85	89	84	85	75	85	80	75	79	79	84	88	89	84	79	70	86	86	....	83.9
	Minimum	64	65	60	64	54	65	63	68	58	65	55	48	51	63	62	57	53	65	64	60	64	57	52	56	58	60	60	62	62	59	....	69.8
Charlotteburg	Maximum	95	93	87	80	83	89	83	81	84	96	90	79	81	83	87	83	78	82	80	72	77	75	80	82	86	89	77	75	80	83	....	83.0
	Minimum	60	63	62	50	44	58	64	59	50	60	51	41	44	59	62	54	46	63	60	56	60	56	72	50	49	54	58	58	59	55	....	55.9
Dover	Maximum	92	80	69	79	84	85	84	73	85	81	72	76	78	82	82	77	75	81	73	69	73	77	79	84	86	74	69	65	78	78	....	78.0
	Minimum	67	64	57	55	50	62	64	63	57	63	53	48	50	60	63	59	49	61	62	59	63	58	54	55	66	60	61	60	56	59	....	58.6
Layton	Maximum	95	82	73	78	85	86	83	83	85	83	70	70	70	82	74	74	80	70	75	76	70	70	73	78	85	81	72	75	82	82	....	78.0
	Minimum	54	50	56	54	58	63	61	63	53	62	54	45	55	63	58	58	56	65	62	62	62	52	48	50	52	57	60	60	59	52	....	56.8
Long Valley	Maximum	92	84	66	76	88	90	86	84	86	82	76	82	84	88	84	82	70	86	72	74	74	76	80	84	86	82	76	65	84	88	....	80.9
	Minimum	62	62	52	51	50	66	64	60	54	58	50	52	51	62	60	60	50	64	62	60	60	54	54	54	56	60	62	59	60	59	....	57.6
Newton	Maximum	96	86	71	80	87	90	85	79	85	89	74	79	80	83	77	80	79	82	76	72	75	88	81	81	85	79	71	66	79	80	...	80.5
	Minimum	67	56	54	50	50	63	64	60	56	62	52	47	50	60	60	55	54	60	41	57	61	56	50	54	66	59	66	59	59	56	...	56.1
Phillipsburg	Maximum	94	86	74	81	85	90	86	79	87	84	73	80	82	85	80	78	72	82	78	71	77	77	82	84	86	81	76	69	82	81	....	80.7
	Minimum	61	66	60	56	56	65	65	65	57	64	55	48	52	63	65	59	55	65	65	62	64	58	63	59	58	61	63	63	61	60	....	60.1
Sussex	Maximum	98	86	....	....	....	....	....	....	....	....	....	81	84	84	82	88	82	88	80	75	76	76	....	88	90	83	76	71	83	86	....	82.8[j]
	Minimum	63	56	....	....	....	....	....	....	....	....	....	47	50	61	63	57	49	65	61	60	63	57	....	51	52	60	61	61	58	56	....	57.6[j]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	91	82	70	79	85	87	86	77	84	81	74	79	81	83	85	81	80	82	78	73	76	78	82	84	82	78	71	69	82	83	....	80.1
	Minimum	65	64	55	52	49	57	63	62	55	60	54	46	49	61	62	61	48	59	60	60	62	59	56	65	55	59	59	61	59	60	....	57.6
Canoe Brook§§	Maximum	92	78	74	74	85	87	87	77	86	86	74	81	82	86	83	78	76	84	77	74	79	80	82	84	88	78	73	65	84	82	....	80.5
	Minimum	60	61	52	50	46	52	58	57	49	58	52	42	45	45	60	52	45	62	59	59	61	57	48	51	50	54	57	59	56	57	....	53.8
Elizabeth	Maximum	95	88	68	83	86	87	90	79	89	88	74	83	85	88	85	80	76	87	80	78	80	84	88	90	91	84	74	68	85	80	....	83.1
	Minimum	66	68	59	56	55	65	65	....	....	....	....	49	53	58	62	64	55	65	64	60	62	68	51	57	57	63	62	61	58	63	....	60.2[d]
Flemington	Maximum	95	89	77	85	89	89	86	82	89	89	77	82	85	90	90	81	76	87	82	13	80	80	82	87	90	89	77	70	86	86	....	84.0
	Minimum	64	68	59	57	55	65	63	64	56	62	54	51	63	60	64	64	55	67	65	61	65	60	57	59	58	62	61	61	55	62	....	60.2
Jersey City	Maximum	93	81	66	80	85	86	88	76	86	86	73	80	84	85	83	78	74	83	77	74	78	80	82	84	87	77	71	68	82	80	....	80.2
	Minimum	67	61	59	60	67	66	66	64	61	62	54	58	60	60	65	64	60	67	63	60	63	60	60	60	65	64	61	61	68	64	....	62.0
Lambertville	Maximum	91	82	68	80	81	83	81	89	84	79	84	80	79	82	85	76	73	82	79	70	78	74	79	83	81	87	78	64	82	79	....	79.8
	Minimum	63	60	57	57	59	58	59	66	60	52	60	57	52	51	56	57	55	65	62	59	58	56	60	65	60	60	58	60	59	64	....	58.5
Little Falls§§	Maximum	95	83	74	82	84	90	88	79	88	84	76	83	83	85	85	80	80	86	76	75	77	80	84	85	90	80	73	69	83	82	....	82.0
	Minimum	68	65	56	55	51	67	64	62	55	63	53	48	52	61	66	68	50	65	63	60	61	59	63	55	56	60	59	61	59	61	....	58.8
Newark	Maximum	94	80	68	81	83	86	87	75	87	86	74	80	83	86	83	78	76	84	75	74	78	79	81	84	87	76	75	67	83	82	....	80.4
	Minimum	65	63	58	60	58	66	66	62	59	62	55	53	58	60	65	62	56	66	63	60	63	62	60	60	61	63	63	62	61	63	....	61.2
New Brunswick	Maximum	92	90	73	80	81	84	88	82	85	87	79	80	82	85	84	80	75	84	81	71	79	77	80	83	89	83	72	69	81	82	....	81.3
	Minimum	65	70	59	58	56	64	66	65	57	62	54	52	54	59	65	64	57	68	64	59	62	60	57	58	58	63	60	62	58	63	....	60.6
Paterson	Maximum	95	91	74	82	85	88	88	83	88	84	78	82	84	86	85	82	76	85	82	76	77	80	82	85	89	86	75	67	84	83	....	82.7
	Minimum	68	69	58	57	56	65	67	64	57	63	54	56	57	61	55	64	56	66	65	60	64	60	58	60	63	63	62	62	59	64	....	61.1
Plainfield	Maximum	96	82	67	81	85	87	89	77	88	87	73	82	85	86	84	78	75	84	78	74	78	81	83	85	88	77	72	65	83	82	....	81.1
	Minimum	65	66	58	56	59	65	65	61	60	62	54	49	52	60	64	63	57	67	64	60	63	59	57	59	58	63	60	61	58	62	....	60.2
Ridgefield	Maximum	94	80	69	79	84	85	86	75	86	86	73	80	82	85	83	80	78	85	74	75	77	77	81	83	86	77	72	67	81	80	....	80.0
	Minimum	67	64	59	59	66	65	65	63	59	65	55	52	56	61	65	63	56	66	67	61	64	60	57	58	61	63	61	62	58	63	....	61.4
Somerville	Maximum	92	83	66	80	85	87	86	73	85	84	70	80	82	85	82	77	75	83	77	75	71	77	81	84	86	77	68	67	82	81	....	79.4
	Minimum	64	61	53	61	55	63	61	60	59	62	53	53	55	59	59	59	53	63	61	59	62	58	54	59	61	62	59	69	62	60	....	59.0
New York, N. Y.	Maximum	89	80	65	79	84	83	86	76	82	83	72	78	80	83	82	77	72	82	73	75	76	77	80	82	85	76	70	69	81	78	....	78.5
	Minimum	67	61	59	60	67	67	66	65	62	62	54	60	61	60	65	65	62	67	62	60	63	61	60	65	67	64	61	61	61	64	....	62.6
The Southern Interior.																																	
Belleplain	Maximum	88	87	83	83	87	92	91	86	87	86	87	80	82	89	90	88	81	85	85	82	80	81	82	84	88	84	78	73	86	83	....	84.6
	Minimum	69	60	58	65	62	67	66	62	50	64	56	42	56	65	65	62	61	66	66	62	60	61	55	54	51	65	63	63	56	63	....	60.5
Bridgeton§§	Maximum	91	91	84	83	91	96	90	82	91	87	72	85	85	91	87	83	79	87	85	84	83	81	82	86	90	85	71	68	86	84	....	84.7
	Minimum	60	68	59	62	64	69	68	63	55	65	55	50	53	62	65	65	61	66	67	61	64	62	56	59	58	65	61	63	57	61	....	61.5
Burlington	Maximum	92	92	74	82	90	97	93	81	84	83	78	81	88	89	92	84	85	85	84	74	82	82	81	86	90	90	78	74	85	82	....	84.6
	Minimum	66	69	60	56	57	67	69	67	57	61	55	49	55	64	67	65	59	67	64	61	64	62	59	60	58	64	60	62	57	65	....	61.5
Camden	Maximum	93	84	75	83	90	97	90	79	87	90	71	82	85	88	86	82	77	86	86	74	81	80	81	85	87	81	74	66	86	84	....	83.0
	Minimum	66	63	61	63	64	70	70	64	62	64	55	61	59	67	67	62	60	68	63	62	66	64	61	62	60	64	62	62	59	62	....	62.8
Freehold	Maximum	92	89	73	80	84	88	87	85	85	88	82	80	82	86	86	82	75	85	82	70	81	78	81	83	87	87	74	73	83	82	....	82.3
	Minimum	64	61	53	58	55	65	68	63	54	62	55	50	54	60	64	64	58	66	64	59	62	60	56	57	57	62	59	62	57	63	....	59.7
Hammonton	Maximum	91	85	83	83	91	96	92	81	87	89	78	81	84	89	85	80	76	86	83	72	81	80	82	85	89	84	74	66	83	82	....	83.3
	Minimum	66	63	59	63	62	66	67	68	61	60	55	47	58	63	69	63	57	67	63	61	62	62	55	55	54	64	59	62	68	63	....	61.1
Hightstown	Maximum	90	83	68	80	87	90	88	75	84	86	71	81	83	86	84	76	76	86	78	71	80	79	81	86	88	75	74	67	84	82	....	80.6
	Minimum	64	65	58	57	55	64	65	64	57	60	54	49	55	60	64	62	56	67	63	59	62	60	55	57	56	60	59	61	56	61	....	59.5
Indian Mills	Maximum	91	83	82	83	90	93	88	79	86	90	78	81	84	89	83	87	74	85	80	72	82	79	80	85	87	77	73	69	83	84	....	82.8
	Minimum	63	66	59	61	59	65	67	64	52	60	56	47	63	65	64	63	57	67	64	60	61	61	55	55	53	64	57	62	57	63	....	60.3
Lakewood	Maximum	93	89	77	82	86	88	88	87	85	87	70	82	83	88	85	80	75	85	80	71	80	79	82	81	85	77	74	70	85	84	....	81.9
	Minimum	66	68	60	61	55	65	67	65	54	62	60	48	53	62	63	60	56	63	60	60	59	61	56	56	55	60	59	62	57	63	....	59.9
Moorestown	Maximum	90	81	73	80	87	91	86	76	83	86	70	77	82	87	84	79	74	85	80	73	78	79	80	83	86	78	72	65	83	81	....	80.3
	Minimum	66	63	59	61	60	67	66	63	57	65	56	50	59	64	66	64	57	65	63	60	64	62	58	58	57	62	58	62	57	63	....	61.1
Pemberton	Maximum	91	89	77	81	91	93	90	88	86	89	85	82	85	88	88	83	76	86	83	72	80	80	82	85	88	85	77	70	85	84	....	84.0
	Minimum	63	68	59	60	59	67	66	67	56	62	56	48	47	64	65	64	58	67	66	61	62	61	56	58	56	61	59	62	57	65	....	60.7
Pleasantville§§	Maximum	83	82	74	84	81	87	90	77	77	82	67	80	83	88	85	76	75	81	82	71	79	80	79	81	82	74	72	70	84	79	....	79.5
	Minimum	62	64	59	59	59	67	65	64	50	66	57	45	54	63	65	66	64	67	66	63	60	63	56	55	52	62	63	64	57	61	....	60.6
Runyon	Maximum	91	85	82	84	84	87	91	80	87	88	81	82	84	88	84	79	78	85	84	80	81	83	85	86	91	86	78	79	85	87	....	84.3
	Minimum	69	69	45	46	49	52	65	64	49	61	46	41	46	68	59	54	51	66	61	60	60	59	65	49	50	55	56	49	56	67	....	56.2
Trenton	Maximum	91	78	68	80	87	92	88	79	83	87	71	81	83	88	84	78	75	83	79	72	81	79	80	84	88	76	73	65	84	82	....	80.6
	Minimum	66	61	59	60	61	67	69	64	61	64	54	56	59	63	66	61	59	67	61	59	64	62	59	62	64	63	62	60	56	62	....	61.7
Tuckerton	Maximum	82	80	75	82	81	90	90	78	79	84	73	80	84	80	88	80	75	80	80	71	80	80	80	80	82	75	72	70	71	81	....	79.4
	Minimum	60	60	58	60	61	65	62	60	60	65	60	45	56	62	65	65	65	65	58	62	65	62	52	58	58	64	62	60	60	58	....	60.4
Philadelphia, Pa.	Maximum	90	84	75	81	87	91	89	77	84	85	72	81	81	87	85	79	73	83	83	73	79	81	83	84	86	79	71	66	84	82	....	81.2
	Minimum	67	63	60	64	67	73	73	66	64	65	55	60	63	66	67	64	62	67	62	61	65	63	61	64	67	64	63	62	60	62	....	64.0
The Sea Coast.																																	
Atlantic City	Maximum	70	81	69	82	75	81	87	73	73	75	66	76	79	75	86	72	74	75	78	67	72	82	78	79	77	72	70	67	76	77	....	75.5
	Minimum	61	58	58	64	66	68	68	63	62	66	58	54	63	65	65	66	65	67	63	64	66	64	61	65	65	66	65	68	60	65	....	63.5
Long Branch	Maximum	94	75	67	82	78	79	90	72	82	86	70	82	82	88	83	72	72	83	78	70	82	79	80	78	86	71	71	68	79	75	....	78.5
	Minimum	69	60	59	60	59	66	67	59	57	65	53	52	60	62	68	63	62	67	60	68	63	65	60	61	58	64	64	61	57	65	....	61.8
Sandy Hook	Maximum	90	73	65	78	73	76	85	71	81	84	68	80	81	83	82	70	70	82	74	69	78	77	79	81	87	72	71	67	80	74	....	76.7
	Minimum	68	62	60	60	61	63	66	64	62	64	58	60	62	61	68	64	62	68	62	60	65	64	64	65	66	65	64	63	63	65	....	63.3

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

N J

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. JULY, 1937. No. 7.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month as a whole averaged less than one degree above the normal, the outstanding feature of the month as far as temperature was concerned, being the period of excessively warm weather which occurred from the 7th to the 11th inclusive. During this period a number of stations reported temperatures above the 100 degree mark, the highest being at Charlotteburg, where 103 degrees was experienced. The first few days of the month were relatively cool. The minima were mostly in the high forties or low fifties and occurred generally throughout the State on the 2nd, a few places reporting the 16th as the date of occurrence, however.

The precipitation was considerably below normal in amount. Showers were rather frequent but the amounts received at various stations varied greatly. The northern section of the State had the heaviest rains, some stations reporting nearly six inches during the month, whereas the southern section, which was much drier, as little as between one half and one inch was recorded by a number of stations.

Lightning did minor damage in certain sections of the State. No hail was recorded, nor was there any damage by wind.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 74.6°, which was 0.9° above normal. The highest temperature was 103° at Charlotteburg on the 10th, and the lowest, 43°, at Canoe Brook and Charlotteburg on the 2nd. The greatest daily range of temperature was 41° at Charlotteburg on the 10th. The highest monthly mean temperature was 77.4° at Camden, and the lowest, 71.5° at Newton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.0°; Red Sandstone Plain, +2.1°; Southern Interior, +2.1°; Sea Coast, +3.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 2.83 inches, which was 1.96 inches below normal. The greatest monthly precipitation was 5.98 inches, at Long Valley, and the least, 0.58 inch at Camden. The greatest amount of precipitation in any 24 consecutive hours was 2.22 inches at Phillipsburg on the 15th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.72 inches; Red Sandstone Plain, +0.06 inch; Southern Interior, —0.49 inch; Sea Coast, —4.42 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 6, 7, 12, 13, 16, 24,

THUNDERSTORMS: 1, 10, 11, 12, 14, 15, 16, 17, 18, 23, 26, 27, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.98	30.17	28	29.66	16	13.0	36	se.	26	78	67	75	68
Long Branch	29.95	30.18	29	29.65	16	10.2	26	s.	26	74	69	58	71
Ridgefield	29.95	30.15	29	29.65	16	.....	.....	.....	.....	.....	.....	.....	.....
Sandy Hook	29.97	30.16	29	29.64	16	10.4	32	nw.	26	78	61	73	74
Trenton	29.97	30.18	29	29.67	16	7.7	26	s.	26	76	52	61	74

COMPARATIVE DATA FOR JULY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	.....	.....	.....	.....
1886	73.0	98	48	4.91	0	.....	.....	.....	.....
1887	77.1	102	54	7.67	0	11	.....	.....	.....
1888	71.1	95	45	3.50	0	9	.....	.....	.....
1889	73.4	95	48	10.19	0	14	.....	.....	.....
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
Period	73.7	110	33	4.79	0	10	13	11	7

Climatological Data for July, 1937

				Temperature, in degrees Fahr							Precipitation in inches				No. of days					
Stations	Counties	Elevation, feet	Length of record, years	Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	74.6	+1.4	100	9†	49	2	36	5.73	+1.19	2.10	0	9	23	4	4	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	72.2	+2.3	103	10	43	2	41	4.07	−0.51	1.20	0	12	26	0	5	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	3.92	−0.86	1.40	0	7	20	8	3	w.	Mrs. Frances Grover.
Dover	Morris	600	53	72.0	+0.6	94	9†	48	2	29	2.94	−2.27	1.02	0	11	5	18	8	......	William C. Harris
Layton....(near)	Sussex	480	36	72.0	+1.1	100	9	46	2	40	3.42	−0.98	1.25	0	9	14	6	11	w.	A. M. Depue.
Long Valley	Morris	660	6	72.2	......	96	9†	48	2	39	5.98	......	1.70	0	9	18	12	1	w.	James E. Rice.
Newton	Sussex	769	54	71.5	−1.0	94	9†	43	2	32	3.19	−1.64	1.05	0	8	15	9	7	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	73.6	−0.3	99	9	51	2	31	4.83	+0.35	2.22	0	9	16	6	9	......	Town Engineer.
Sussex	Sussex	442	42	73.6ᵃ	+1.6	96	9†	47	2	36	3.80	−0.02	1.21	0	9	18	5	8	......	A. J. W. Mowatt
Means and extremes	......	......	....	72.7	+0.8	103	10	43	2	41	4.21	−0.59	2.22	0	9	17	8	6	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	72.7	+0.8	97	9†	48	2	34	2.69	−1.95	1.05	......	10	18	3	10	nw.	John Kline.
Canoe Brook	Essex	173	7	71.7	......	98	9	43	2	38	2.59	......	1.38	......	8	18	11	2	w.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	......	......	......	....	....	....	....	....	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	75.0	−0.2	100	9	50	2	33	3.72	−1.00	1.37	0	10	23	3	5	w.	Union County Park Comm.
Flemington	Hunterdon	140	§51	75.4	+0.9	100	10	51	2	35	4.24	−0.61	1.10	0	10	21	5	5	w.	Hiram E. Deats
Jersey City	Hudson	10	39	76.6	+0.8	100	10	57	2	24	4.36	+0.01	1.50	0	9	12	10	9	w.	S. K. Pearson.
Lambertville	Hunterdon	430	50	74.4	+0.4	98	9†	54	2	31	3.57	−1.07	0.98	0	8	21	8	2	w.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	74.8	+1.0	100	9	49	2	34	2.54	−2.18	0.91	0	10	21	4	6	w.	Passaic Valley Water Co
Newark	Essex	10	2	75.4	+0.8	100	9	54	2	28	2.60	−2.35	1.18	0	8	8	17	6	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	74.9	+0.9	98	9	51	2	31	2.86	−2.37	1.22	0	9	21	9	1	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	3.72	−1.40	1.46	......	9	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	75.8	+1.3	99	9†	53	2	29	3.61	−0.69	1.26	0	9	24	5	2	w.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	75.2	+1.6	100	9†	50	2	32	2.44	−3.11	1.35	0	6	8	13	10	nw.	S. K. Pearson.
Ridgefield	Bergen	80	20	74.7	+1.8	97	10	53	2	28	4.06	−0.76	1.33	0	7	14	13	4	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	73.4	−0.6	96	9†	51	2	30	3.85	−1.39	1.14	0	12	13	6	12	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	1.88	−2.69	0.80	......	9	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	67	75.4	+1.6	96	10	58	2	21	4.41	+0.17	1.75	0	8	11	8	12	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.6	+0.8	100	9†	43	2	38	3.25	−1.54	1.50	0	9	17	8	6	w.	
The Southern Interior.																				
Belleplain	Cape May	30	43	76.1	+2.7	98	10	50	2	35	1.50	−2.81	0.61	0	5	21	6	4	sw.	Mrs. Edward C. Hoffman.
Bridgeton††	Cumberland	30	54	77.1	+0.6	100	9	54	2	32	1.23	−3.22	0.27	0	10	23	3	5	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	76.8	0.0	100	9†	51	2	34	1.66	−3.28	0.40	0	9	20	6	5	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	77.4	......	100	9	54	2	33	0.58	......	0.22	0	7	4	19	8	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	74.4	......	98	9	51	2	30	2.26	−3.00	1.05	0	7	23	5	3	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	76.2	......	101	9	52	2	36	1.33	−3.21	0.65	0	7	16	11	4	w.	J. G. Wilson.
Hightstown	Mercer	110	44	74.3	+0.2	98	9	50	2	33	3.60	−1.32	1.71	0	12	16	10	5	w.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	74.3	−0.2	98	9	49	2	34	2.10	−2.65	0.63	0	8	12	13	6	w.	James M. Armstrong.
Lakewood	Ocean	54	33	74.8	+1.8	98	9†	50	2	33	2.90	−2.10	1.12	0	8	15	9	7	w.	R. W. Holman.
Moorestown	Burlington	62	74	75.3	+0.6	98	9	52	2	31	1.23	−3.47	0.42	0	10	10	13	8	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	1.16	−2.98	0.60	0	6	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	75.8	......	99	9	52	2	33	3.58	......	1.80	0	12	18	5	8	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	74.7	+1.5	98	16	50	2†	31	0.93	−3.13	0.50	......	8	25	2	4	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	73.6	+0.6	102	9	44	2	40	2.90	−2.48	1.41	......	8	18	11	2	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	75.8	+1.3	99	9	56	2	27	1.84	−2.10	0.70	0	9	10	12	9	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	2.59	......	1.05	0	8	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	75.2	+1.2	98	16	55	22	27	1.23	−2.75	0.72	0	7	21	7	3	nw.	John H. Brown.
Philadelphia, Pa	......	26	66	77.1	+0.9	98	10	59	1	26	1.16	−2.99	0.27	0	11	6	16	9	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.5	+0.9	102	9	44	2	40	1.92	−2.75	1.80	0	8	17	9	5	w.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	75.8	+3.6	97	16	61	22	21	0.96	−2.97	0.50	0	8	10	14	7	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	74.7	+2.6	98	10	53	2	26	2.51	−3.34	1.34	0	6	10	11	10	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	75.4	+1.9	98	10	62	2	23	1.71	−3.41	0.57	0	8	14	5	12	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.3	+2.7	98	10	53	2	26	1.73	−3.24	1.34	0	7	11	10	10	s.	
For the State	......	......	....	74.6	+0.9	103	10	43	2	41	2.83	−1.96	2.22	0	9	17	8	6	w.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. ‖ Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-31-37-900

Daily Precipitation for July, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.23				.06					.17	.90				2.10	.16	.19									1.50					.42	5.73
Charlotteburg	Passaic	.75		.24			.04							.09		1.20	.09	.03						.03	.06		.94	.15				.45	4.07
Culvers Lake	Delaware	1.40		.10								T.	.25			.90	.40										.40				.47		3.92
Dover	Passaic	.15		.05		.08					.05	.15			*	1.02	.06							.29			.63					.46	2.94
Layton	Delaware	1.25		.84								.09	.08		T.	.34	.44		.03								.15	T.				.70	3.42
Long Valley	Raritan	.65		.05			.07						.55			1.70	.70	.30									1.36					.60	5.98
Newton	Delaware	1.05		.08									.08		.06	.96	.10		T.								.85	.01					3.19
Phillipsburg	....do	.09		.10		.08	T.					.04	T.		.26	2.22	.16	T.	T.								1.64				T.	.24	4.83
Sussex	Hudson	1.21	.06	.13	.03								.21			.76	.51										.77	.12					3.80
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic	.38		.01	.05		.01						.04	.10		1.05	.15	T.										.54				.36	2.69
Canoe Brook ǁǁ	....do	.25					.02						.19	.05		1.38	.86											.25				.09	2.59
Chatham ǁǁ	....do																																....
Elizabeth	Coast	.55		T.		.05	T.					.02	.55	.01	T.	1.37	.70										.28	.10				.09	3.72
Flemington	Raritan	.61		T.		T.	.12					.13	.12		.01	.72	1.10	T.	T.		T.						.74	.01				.68	4.24
Jersey City	Coast	.05		.01		T.	T.					.96	.68	T.	.01	1.50	.14		T.								.70	T.				.31	4.36
Lambertville	Delaware	.46										.48	.98		T.	.46	.34	.05									.63					.17	3.57
Little Falls ǁǁ	Passaic	.32			.04		.01						.01	.07		.91	.30	.01										.27				.60	2.54
Newark***	Coast	.07		.01		.01	T.					.24	T.	T.	.50	1.18	T.		T.								.25					.34	2.60
New Brunswick	Raritan	.30						.02				.09	1.22			.30	.52										.20	.14				.07	2.86
New Milford**	Hackensack	.07		.23								.11	1.46		.05	1.01	.08										.19					.52	3.72
Paterson	Passaic	.24		.40		T.							.65	.02	T.	1.26	.12										.31	.13				.48	3.61
Plainfield	Raritan	.12				T.						.21	T.		T.	1.35	.25	T.									.39					.12	2.44
Ridgefield**	Hackensack	.37				T.						.38	1.32		T.	1.33	.06										.30					.30	4.06
Somerville	Raritan	1.14				.03	.01					.03	.22	.01	.01	1.03	.73	T.						.05			.37					.22	3.85
Woodcliff Lake**	Hackensack	.06					.01					.14	.39		.13	.80	.05										.14					.16	1.88
New York, N. Y***	Coast	.04		.01		T.	T.					1.01	.74	T.	.52	1.07			T.								.72	T.				.30	4.41
The Southern Interior.																																	
Belleplain	Tuckahoe	.17					.61						T.	T.		.17					.30							.25					1.50
Bridgeton	Delaware					.13	.02				.04				.19			.02		.09	.10						.24				.13	.27	1.23
Burlington	Delaware	.25					.14								.09	.11	.22		.40					.01			.27					.17	1.66
Camden**	..do			.04		.03	.03					T.			.19		T.	.02	T.		T.						.22					.05	0.58
Freehold	Raritan			.01		T.	.02					.34	.16			.26	.42											1.05					2.26
Hammonton	Mullica	.65		T.		T.	.06					T.	.02		T.	.04			.01	T	.23							.32				T.	1.83
Hightstown	Raritan	.09		.02		.03	.05					.57	.59	.02	T.	.15	.21	T.	T		.05						1.71					.11	3.60
Indian Mills	Mullica	.21					.05				.21	.53	.28			.05					.14						.63						2.10
Lakewood	Metedeconk	.08		T.		T.	.02					.04	.65			.25	.72	T.	.02		T.							1.12					2.90
Moorestown ǁǁ	Delaware					.09	.01				.08				.04	.09	.21	.24		.01	T.						.42				.04		1.23
Northfield	Coast	.03				T.	.08				T.		.05	T.		.18					.22							.60					1.16
Pemberton	Delaware	.45	T.	.02		T.	.02	.01					.11		.01	.04	.93	.01	.16		.02							1.80					3.58
Pleasantville ǁǁ	Coast	.06					.04						.05			.04	.02				.18						.50	.04					0.93
Runyon	Coast	.23				.03						.06	.42			.26	.46										1.41					.03	2.90
Trenton***	Delaware	.06		T.		.13	.10	T.				.43		T.	T	.63	.07		T.		T.						.39	T.			.02	.01	1.84
Trenton No. 2**	....do	.06		.02		.12	.12					1.05			T.	.98	T.				T.			T.			.22					.02	2.59
Tuckerton	Coast					.02	.07						.15			.05	.06				.16							.72					1.23
Phila., Pa***	Delaware	.02		T.		.03	.14					.06	T.		.04	.22	.07	.22	.02		T.						.27					.07	1.16
The Sea Coast.																																	
Atlantic City***	Coast					T.	.02				T.	.03	.04			.04		T.			.16						.50	.13			.04		0.96
Long Branch**	....do	.04		T.		T.	T.					.36	.07			.50	.20										1.34						2.51
Sandy Hook***	....do	.05		.01		T.	T.					.45	.02	T.	.07	.44			T.								.57					.10	1.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡‡ Amount recorded on 22nd is rainfall from 1st to 22nd.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook**	Evaporation	*	.186	.168	.096	.176	.052	.152	.184	.224	.224	.208	.134	.090	.256	.068	.040	.208	.192	.152	.176	.128	.224	.176	.192	.144	.272	.170	.192	.224	.200	.154	5.062
	Wind movement	6	12	12	17	5	4	4	4	5	4	4	3	8	26	14	5	19	12	8	7	10	15	11	11	12	22	21	15	9	10	17	332
Pleasantville**	Evaporation	.192	.272	.192	.224	.136	*	.304	.288	.272	.352	.114	.192	.256	.152	.180	.480	.256	.320	*	.148	.256	.272	.320	.032	.320	.188	.272	.320	.320	.160	.112	6.902
	Wind movement	27	49	43	32	56	24	40	35	26	8	50	41	86	66	77	54	58	52	47	45	52	38	39	62	104	82	49	34	41	40	35	1492
Runyon	Evaporation	.140	.220	.180	.180	.140	.120	.160	.250	.250	.260	.180	.190	.120	.180	.040	.260	.240	.240	.210	.140	.240	.250	.260	.260	.260	.210	.210	.210	.180	.180	.150	6.110
	Wind movement	19	14	18	23	17	12	10	18	19	13	7	9	12	28	14	43	21	14	16	20	20	16	24	26	32	4	21	27	14	21	29	572

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for July, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	79	80	75	88	76	92	96	98	100	100	93	88	89	83	79	93	83	85	84	83	87	91	87	92	94	86	81	85	89	88	83	87.3
	Minimum	57	49	56	52	57	64	62	66	68	72	72	69	68	63	62	67	70	66	60	64	57	56	60	60	62	69	60	52	53	60	62	61.8
Charlotteburg	Maximum	76	76	85	84	82	86	93	95	102	103	98	97	86	87	83	89	95	84	83	83	82	85	88	89	90	92	77	81	84	87	81	87.2
	Minimum	54	43	54	52	48	59	67	62	62	62	64	63	64	69	59	66	69	68	63	58	50	48	52	65	57	66	58	48	45	52	59	57.3
Dover	Maximum	73	74	72	81	73	85	90	93	94	94	88	85	85	74	73	90	82	81	79	76	79	83	86	86	88	86	76	79	81	80	79	82.1
	Minimum	58	48	57	55	54	63	64	68	69	72	70	68	67	61	61	68	71	67	59	62	56	54	58	62	63	68	61	52	52	70	62	61.9
Layton	Maximum	75	75	75	84	80	90	92	98	100	96	89	85	86	82	74	90	88	87	84	81	85	89	89	88	90	86	79	82	85	85	82	86.5
	Minimum	56	46	53	52	52	61	68	58	62	68	66	67	63	62	61	66	67	64	56	61	53	54	58	58	58	69	56	60	49	53	60	58.6
Long Valley	Maximum	77	74	70	84	73	96	92	94	96	96	92	92	88	74	70	90	85	80	84	82	84	85	91	88	91	88	80	81	80	88	80	84.7
	Minimum	56	48	54	56	54	64	64	65	70	72	70	64	65	62	60	65	65	65	62	62	56	52	62	60	61	58	58	51	50	52	68	59.7
Newton	Maximum	72	73	71	82	76	85	90	93	94	94	90	83	83	78	75	88	83	79	82	79	82	87	89	87	90	83	76	80	83	83	80	82.9
	Minimum	60	43	64	58	56	61	62	61	68	68	68	67	65	61	60	66	68	64	55	61	55	56	59	61	68	66	60	52	63	57	60	60.1
Phillipsburg	Maximum	76	77	73	85	73	86	92	96	99	82	90	89	89	79	78	90	80	80	83	78	81	86	88	90	90	85	78	84	85	85	80	84.1
	Minimum	59	51	57	56	57	65	63	66	69	73	71	70	67	66	63	66	70	68	62	65	59	69	62	62	64	69	62	54	54	60	65	63.0
Sussex	Maximum	75	76	77	86	85	91	91	95	96	96	94	85	87	87	72	90	90	80	88	85	87	92	93	90	92	89	79	82	86	85	....	86.7[a]
	Minimum	56	47	65	53	60	62	61	63	68	70	67	67	68	61	61	66	68	65	65	62	55	56	69	61	62	68	58	61	52	57	....	60.5[a]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	75	71	74	84	78	88	92	95	97	97	91	88	88	75	76	91	85	83	85	79	83	87	88	87	91	88	78	82	86	83	83	84.5
	Minimum	60	48	57	53	54	61	63	67	68	71	69	68	66	62	61	62	71	66	58	62	57	53	57	59	62	66	62	53	51	55	61	60.7
Canoe Brook§§	Maximum	76	78	75	85	76	87	92	96	98	97	90	84	89	74	76	92	88	84	84	77	80	86	87	90	92	90	90	82	85	83	84	85.4
	Minimum	58	43	55	49	51	67	68	60	63	66	67	67	65	61	60	63	67	63	53	61	53	50	64	56	60	71	60	47	47	55	59	68.0
Elizabeth	Maximum	78	79	80	88	78	85	95	98	100	99	91	84	90	80	79	94	90	86	85	80	84	82	88	93	92	92	83	84	87	85	84	86.9
	Minimum	60	50	62	55	56	66	68	68	70	73	72	67	66	63	61	68	71	67	69	65	60	56	59	61	65	69	64	59	55	59	61	63.0
Flemington	Maximum	79	80	77	83	81	90	92	94	98	100	95	86	90	89	81	93	85	83	86	86	84	86	86	93	95	90	83	86	89	91	86	87.6
	Minimum	59	51	59	56	57	66	66	69	71	73	72	68	70	64	63	68	71	63	64	66	60	56	61	61	63	69	64	64	54	59	64	63.3
Jersey City	Maximum	76	78	76	85	76	83	94	96	99	100	90	87	88	73	80	92	88	84	84	78	84	88	88	91	89	91	81	83	85	81	85	85.6
	Minimum	61	57	65	63	66	68	70	72	77	78	74	70	68	62	61	70	73	70	65	68	66	65	68	68	71	68	68	64	63	69	64	67.6
Lambertville	Maximum	82	82	84	90	88	90	92	96	98	98	93	88	87	69	83	90	82	80	84	76	81	85	88	90	92	88	78	80	84	86	82	86.0
	Minimum	56	54	55	62	58	60	66	68	68	72	70	60	67	63	63	63	67	68	63	62	60	56	57	68	70	67	63	55	60	60	63	62.7
Little Falls§§	Maximum	77	78	81	87	81	90	97	98	100	99	95	89	90	78	78	93	87	85	87	82	85	88	90	92	92	92	81	85	88	86	85	87.6
	Minimum	60	49	59	53	55	64	66	68	69	71	71	69	66	61	60	63	72	67	58	64	58	55	57	61	64	72	63	53	54	58	61	61.9
Newark	Maximum	76	78	74	86	79	83	94	96	100	98	90	85	86	76	80	93	90	84	84	79	81	84	86	91	90	91	80	82	85	82	84	86.4
	Minimum	61	54	62	58	62	66	67	71	74	77	73	69	66	62	62	70	72	70	64	65	62	61	64	64	68	70	66	59	59	64	64	65.4
New Brunswick	Maximum	75	77	76	84	80	83	97	96	98	97	95	85	87	81	84	90	89	82	83	78	80	86	88	90	93	90	80	81	85	82	83	85.6
	Minimum	60	51	63	58	57	67	66	69	72	75	73	68	67	64	63	69	72	70	60	66	61	57	60	63	67	71	66	55	66	60	63	64.2
Paterson	Maximum	77	79	77	87	81	88	94	97	99	99	93	87	90	83	76	93	92	85	85	80	82	86	87	92	90	91	81	84	87	84	85	86.8
	Minimum	60	53	61	60	59	66	69	72	75	76	76	69	66	62	61	68	73	69	62	66	61	59	61	63	68	70	65	58	59	61	63	64.9
Plainfield	Maximum	77	79	76	85	76	83	95	97	100	100	91	87	89	73	81	93	89	85	85	79	84	89	89	92	95	92	82	84	86	82	86	86.5
	Minimum	61	50	60	56	56	67	66	68	70	74	76	69	68	63	64	69	72	69	61	66	61	57	61	62	66	69	66	65	55	60	62	63.8
Ridgefield	Maximum	75	79	73	85	78	85	92	95	96	97	90	82	87	76	76	91	88	83	83	80	83	85	87	91	90	89	80	82	86	83	81	84.7
	Minimum	62	53	63	57	60	66	68	69	73	73	74	70	66	61	61	70	72	69	61	67	61	59	62	66	67	69	65	57	69	62	63	64.7
Somerville	Maximum	75	75	73	85	76	84	92	94	96	96	90	83	87	73	82	90	85	77	83	77	82	85	87	89	91	88	77	80	85	85	86	84.1
	Minimum	63	51	59	55	66	64	65	68	72	74	73	68	67	62	62	67	69	62	59	62	68	55	58	62	65	68	62	55	62	59	61	62.7
New York, N. Y.	Maximum	74	76	72	84	76	83	91	93	95	96	88	87	85	71	78	89	84	82	82	75	82	83	83	87	85	87	78	79	84	78	83	82.9
	Minimum	61	58	65	63	68	69	71	73	79	79	71	70	64	62	61	70	74	70	66	68	66	66	69	69	71	68	68	64	65	69	64	67.8
The Southern Interior.																																	
Belleplain	Maximum	78	79	81	84	86	81	89	92	97	98	97	90	91	83	90	96	97	94	88	79	81	86	89	90	95	91	87	83	87	88	83	88.1
	Minimum	60	50	61	52	62	70	66	69	71	71	73	70	71	67	67	75	71	68	60	60	62	52	54	63	65	75	69	55	53	69	65	64.1
Bridgeton§§	Maximum	80	82	80	88	80	83	94	98	100	99	96	91	91	77	86	98	94	87	90	70	85	89	89	93	94	93	85	86	88	89	84	88.4
	Minimum	60	54	64	56	63	70	67	68	72	73	76	71	72	66	66	70	71	69	64	67	62	57	60	65	69	75	69	56	57	63	68	65.8
Burlington	Maximum	78	80	82	87	85	87	95	98	100	100	99	98	90	88	87	94	89	89	86	77	84	90	90	92	94	97	83	80	88	87	83	88.9
	Minimum	60	51	63	56	57	68	64	68	70	73	77	68	71	65	65	72	72	70	63	68	63	58	60	63	65	71	68	55	54	61	68	64.7
Camden	Maximum	78	79	78	88	78	89	96	96	100	99	93	91	72	88	89	95	92	86	87	76	84	87	92	93	96	91	83	85	89	89	83	87.8
	Minimum	61	54	64	60	62	69	69	72	74	77	74	72	67	67	71	76	75	71	68	64	62	60	64	67	70	72	68	58	56	63	70	67.0
Freehold	Maximum	77	78	77	87	77	84	91	96	98	97	88	86	84	82	84	92	88	84	83	79	80	85	87	91	92	91	80	82	82	82	82	85.4
	Minimum	60	51	62	57	58	68	65	66	73	73	71	68	68	64	63	69	68	60	60	67	61	55	58	61	67	73	66	55	56	60	63	63.4
Hammonton	Maximum	77	79	77	86	79	87	92	96	101	100	91	89	90	72	89	96	94	88	86	75	83	89	90	94	97	90	83	84	87	89	82	87.5
	Minimum	63	52	60	55	58	70	66	70	72	70	75	68	70	64	66	73	71	68	64	65	60	53	74	63	68	70	68	54	55	58	67	64.8
Hightstown	Maximum	75	78	74	87	76	85	92	95	98	96	89	88	88	74	86	92	87	86	82	76	80	87	90	90	93	90	80	83	85	85	81	85.4
	Minimum	60	50	62	55	55	67	66	69	71	71	70	68	68	64	64	70	70	68	60	65	60	54	58	62	65	68	66	55	55	58	64	63.2
Indian Mills	Maximum	77	79	76	86	77	83	92	95	98	97	89	87	87	75	87	94	90	86	84	72	79	87	89	92	94	90	82	83	86	85	80	85.7
	Minimum	60	49	60	55	52	69	64	69	69	70	73	68	70	64	65	74	71	68	60	65	61	53	56	60	64	66	64	53	54	61	62	62.9
Lakewood	Maximum	79	80	77	86	75	85	93	97	98	98	90	85	85	76	85	93	91	86	83	78	80	84	86	93	94	92	83	85	86	83	82	86.1
	Minimum	61	50	61	55	55	67	65	69	71	72	72	68	70	67	63	71	71	68	60	65	60	54	54	60	66	74	66	54	60	56	62	63.5
Moorestown	Maximum	76	78	84	84	75	85	92	94	98	97	89	90	88	72	88	93	89	84	84	74	82	87	90	92	94	91	82	83	86	70	83	85.6
	Minimum	59	52	63	56	57	68	67	70	73	73	76	70	71	66	65	70	72	69	62	67	60	56	61	64	67	75	67	55	56	60	67	65.0
Pemberton	Maximum	76	80	78	86	78	86	94	96	99	98	90	89	90	88	87	93	93	86	83	77	81	88	88	92	93	88	85	81	87	87	80	87.0
	Minimum	60	52	63	55	58	68	65	69	69	78	73	69	70	66	65	73	71	69	61	66	62	56	58	62	66	74	66	55	54	61	68	64.6
Pleasantville§§	Maximum	79	80	81	82	79	79	91	94	95	94	94	89	82	82	83	98	95	88	82	73	79	80	83	90	87	87	81	83	83	82	81	85.0
	Minimum	61	50	50	55	63	71	67	70	72	71	75	68	71	68	68	68	72	68	62	68	63	53	52	65	64	75	69	57	54	62	65	64.4
Runyon	Maximum	84	80	86	87	84	86	93	100	102	100	98	89	89	81	80	93	89	87	83	81	84	88	89	93	96	92	83	85	86	84	85	88.3
	Minimum	59	44	46	49	50	59	60	69	69	69	71	61	67	64	64	63	68	61	51	61	54	51	52	54	54	56	61	60	59	57	61	58.8
Trenton	Maximum	76	77	74	85	75	85	93	96	99	98	90	88	88	70	86	92	88	85	83	77	81	87	88	89	92	90	80	82	85	85	82	85.4
	Minimum	61	56	64	60	60	67	66	71	75	78	70	72	69	66	65	71	73	70	65	64	62	62	65	66	69	68	66	62	61	62	66	66.2
Tuckerton	Maximum	80	80	80	85	78	85	92	96	94	95	89	91	80	73	83	98	95	89	83	76	78	79	83	88	89	88	82	83	77	82	80	84.9
	Minimum	65	58	57	58	59	70	67	70	72	72	75	69	71	66	68	72	72	69	62	67	63	55	57	64	66	75	67	58	58	61	64	65.4
Philadelphia, Pa.	Maximum	75	77	76	85	75	83	94	94	98	98	92	89	89	70	87	92	88	85	85	73	83	86	88	88	92	88	80	83	86	87	82	85.4
	Minimum	59	61	66	66	65	68	68	74	77	79	74	74	69	65	65	76	73	71	69	67	65	66	68	69	71	69	69	66	66	67	70	68.8
The Sea Coast.																																	
Atlantic City	Maximum	79	78	80	80	76	75	81	92	92	92	88	89	79	72	82	97	95	88	79	73	75	77	80	84	82	81	78	80	79	80	78	82.0
	Minimum	62	63	67	62	70	70	69	74	77	76	75	73	72	68	70	76	76	70	66	69	66	61	66	73	74	69	67	65	68	70	70	69.5
Long Branch	Maximum	78	76	76	80	73	80	93	97	97	98	90	82	81	73	81	93	90	84	80	76	77	77	81	92	86	89	80	82	80	80	80	83.3
	Minimum	63	53	62	60	62	68	69	72	75	77	74	70	68	66	66	71	74	70	67	67	64	58	57	66	69	69	68	57	58	62	66	66.1
Sandy Hook	Maximum	76	75	74	82	73	79	92	95	98	98	88	81	82	72	78	89	87	84	81	76	77	79	79	89	84	86	80	81	81	80	79	82.4
	Minimum	63	62	66	64	66	68	70	73	75	77	72	70	66	65	66	72	74	73	70	67	66	67	67	67	71	68	70	65	67	68	65	68.4

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. AUGUST, 1937. No. 8.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

This August was the warmest on record since 1900, the average for the August of that year being one degree higher than the 75.2 degree mean for this month. The rainfall for the month was also considerably above normal. During the fifty-two years of record this month's figure was only exceeded seven times. The highest temperatures recorded were mostly in the high nineties, with one station reporting 100 degrees. Most of the maxima were recorded on the 20th, although a few stations reported its occurrence on either the 4th, 8th or 9th. The minima were either in the high forties or low fifties and occurred on various dates, although the 15th was quite generally reported.

Rain was frequent, there being but two days during the month when rain did not fall somewhere in the State. This was due, of course, to the large number of thunderstorms which occurred in the course of the month. Many stations reported a rainfall of from two to four inches in a 24 hour period as a result of a thunderstorm.

Light hail fell in scattered sections, but no damage was done by this fall. There was no damage from wind or lightning.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 75.2°, which was 3.4° above normal. The highest temperature was 100° at Flemington on the 20th, and the lowest, 45°, at Charlotteburg on the 15th. The greatest daily range of temperature was 46° at Charlotteburg on the 15th. The highest monthly mean temperature was 78.0° at Bridgeton, and the lowest, 72.6° at Dover.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +2.2°; Red Sandstone Plain, +2.3°; Southern Interior, +2.3°; Sea Coast, +3.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 6.82 inches, which was 2.07 inches above normal. The greatest monthly precipitation was 12.35 inches, at Belvidere, and the least, 3.64 inches at Newton. The greatest amount of precipitation in any 24 consecutive hours was 4.45 inches at Belvidere on the 19th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +5.87 inches; Red Sandstone Plain, +2.45 inches; Southern Interior, +0.70 inch; Sea Coast, —2.56 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 4, 6, 8, 9, 12, 19, 26, 29, 30.

HAIL: 19, 20.

THUNDERSTORMS: 1, 2, 3, 6, 7, 8, 9. 10, 11, 12, 13, 17, 18, 19, 20, 21, 22, 23, 26, 27, 28, 31.

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PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.07	30.31	15	29.80	12	13.3	31	s.	11	88	80	90	68
Long Branch	30.06	30.32	15	29.77	12	9.1	30	e.	22	89	67	81	63
Ridgefield	30.06	30.30	15	29.76	12	......	....	......	....	....	....	....	....
Sandy Hook	30.06	30.31	15	29.78	12	10.9	37	s.	11	86	70	82	63
Trenton	30.06	30.30	15	29.77	12	7.9	31	s.	11	87	59	72	62

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	......	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5.32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71.2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	9
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	10.53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	75.2	100	45	6.82	0	14	14	7	10
Period	71.8	108	33	4.75	0	10	13	11	7

Climatological Data for August, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	74.6	+3.8	95	20	52	17	39	12.35	+7.78	4.45	0	11	18	5	8	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	72.8	+5.3	96	20†	45	15	46	9.64	+5.14	2.65	0	12	21	0	10	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Mrs. Frances Grover.
Dover	Morris	600	53	72.6	+3.5	91	20	53	15	29	5.57	+1.07	2.80	0	15	7	12	12	......	William C. Harris
Layton....(near)	Sussex	480	36	73.0	+4.8	99	20	50	15	38	5.85	+1.76	2.23	0	14	12	5	14	sw.	A. M. Depue.
Long Valley	Morris	660	6	72.8	......	92	20	50	15	37	7.97	......	1.85	0	11	19	7	5	e.	James E. Rice.
Newton	Sussex	769	54	72.8	+2.5	94	20	52	15†	32	3.64	−0.71	1.10	0	14	9	8	14	sw.	Irving J. Keru.
Phillipsburg	Warren	363	§54	73.8	+2.1	92	20	53	15	32	8.49	+4.09	3.07	0	14	17	8	6	......	Town Engineer.
Sussex	Sussex	442	42	......	......	......	......	......	......	....	6.94	+2.94	2.60	0	....	....	....	....	......	A. J. W. Mowatt
Means and extremes	......	......	....	73.2	+3.7	99	20	45	15	46	7.56	+3.15	4.45	0	13	15	6	10	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	73.8	+3.7	96	20	52	15†	37	5.37	+0.68	2.34	......	14	15	1	15	ne.	John Kline.
Canoe Brook	Essex	173	7	73.2	......	95	20†	50	.16	40	6.85	......	1.30	......	16	11	13	7	w.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	6.20	+1.55	1.25	0	16	16	10	5	......	Paul Molitor. Sr.
Elizabeth	Union	45	58	76.0	+2.8	98	21	65	23	36	7.23	+2.90	2.10	0	13	18	4	9	w.	Union County Park Comm.
Flemington	Hunterdon	140	§51	76.8	+4.5	100	20	56	15†	39	6.62	+1.10	1.97	0	14	18	5	8	sw.	Hiram E. Deats
Jersey City	Hudson	10	39	76.6	+3.0	95	21	58	23	25	8.13	+3.80	3.00	0	17	13	6	12	sw.	S. K. Pearson.
Lambertville	Hunterdon	430	50	75.0†	+3.0	95	20	50	23	38	5.70	+0.90	1.58	0	14	20	5	6	w.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§84	75.8	+4.6	97	20	54	15	34	7.89	+2.93	2.60	0	15	16	4	12	w	Passaic Valley Water Co
Newark	Essex	10	2	75.8	+3.1	96	20	56	23	29	6.72	+2.17	2.59	0	14	9	8	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	75.5	+3.5	94	20†	57	15†	29	7.62	+2.22	2.12	0	12	13	10	8	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	5.62	+1.07	1.40	......	15	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	76.2	+4.0	97	20	56	23	30	7.51	+2.88	2.12	0	14	16	7	8	sw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	75.9	+4.5	96	21	57	15†	32	10.50	+6.40	3.79	0	15	12	8	11	sw.	S. K. Pearson.
Ridgefield	Bergen	80	20	75.2	+4.5	95	21	56	22†	30	6.63	+1.72	2.73	0	15	14	7	10	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	74.1	+1.9	94	20	65	23	29	9.51	+4.59	3.48	0	15	12	4	16	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	6.13	+1.91	1.60	......	13	....	....	....	......	Hackensack Water Co.
New York, N. Y	......	10	67	75.7	+2.6	93	20	58	23	21	7.92	+3.59	2.99	0	17	12	7	12	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.4	+3.6	100	20	50	16†	40	7.08	+2.39	3.00	0	14	14	7	10	sw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	77.2	+5.1	96	21†	54	15†	34	4.49	−0.11	1.51	0	9	17	6	8	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	78.0	+3.4	99	19	60	15†	31	4.08	−0.64	0.99	0	11	19	4	8	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	77.2	+2.8	97	4†	56	15†	35	5.90	+0.12	2.00	0	12	15	3	13	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	77.2	......	97	21	59	15	31	7.13	......	2.42	0	11	8	10	13	s.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	75.5	......	95	21	57	15	29	5.85	+1.26	1.66	0	15	19	5	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	77.2	......	96	9†	55	15†	36	5.69	+0.81	2.00	0	14	16	9	6	sw.	J. G. Wilson.
Hightstown	Mercer	110	44	75.4	+3.5	95	20†	55	15	33	6.73	+1.71	2.08	0	13	15	7	9	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	75.7	+3.3	96	20	53	16	39	6.29	+0.76	1.20	0	13	8	12	11	s.	James M. Armstrong.
Lakewood	Ocean	54	33	75.6	+4.7	97	20	54	15	35	7.74	+2.55	1.80	0	16	14	7	10	sw.	R. W. Holman.
Moorestown	Burlington	62	74	75.8	+3.3	95	21	56	15	32	9.85	+4.48	3.90	0	16	10	14	7	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	5.78	+1.26	1.89	0	14	....	....	....	......	William L. Flick.
Pemberton	Burlington	55	7	76.3	......	96	20	56	15†	35	6.11	......	1.30	0	14	17	6	8	e.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	75.0	+3.3	94	8	53	15	31	4.42	−0.24	1.14	......	13	20	2	9	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	74.8	+3.3	96	21	52	18	41	7.41	+2.09	2.27	......	11	15	8	8	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	76.0	+3.0	95	21	58	23	27	5.12	+0.37	1.76	0	13	11	7	13	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	......	......	......	......	......	......	....	5.73	......	1.52	0	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	75.5	+3.1	93	21	59	15†	26	7.52	+2.22	1.72	0	13	16	3	12	nw.	John H. Brown.
Philadelphia, Pa	......	26	66	77.2	+2.4	94	19	60	23	23	4.10	−0.52	1.33	0	12	10	8	13	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	76.2	+3.6	99	19	52	18	41	6.22	+1.19	3.90	0	13	15	7	9	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	74.0	+1.5	90	31	65	22	17	6.13	+1.64	2.71	0	14	10	12	9	s.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	75.2	+4.4	94	20	58	15	29	6.53	+1.05	1.29	0	15	11	10	10	sw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	75.6	+3.1	92	21	61	23	23	7.88	+2.90	1.99	0	16	11	9	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	74.9	+3.0	94	20	58	15	29	6.85	+1.86	2.71	0	15	11	10	10	s.	
For the State	......	......	....	75.2	+3.4	100	20	45	16	46	6.82	+2.07	4.45	0	14	14	7	10	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-10-7-37-900

Daily Precipitation for August, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware							.14			.30	1.75	1.84						.05	4.45	.20		.46	2.46	.15		T.	.55					12.35
Charlotteburg	Passaic								1.70	.03		.41	.90	2.00					.62			.07	.72	2.65	.11	.04		.39					9.64
Culvers Lake	Delaware																																
Dover	Passaic		.01					.03	.09		.06	1.41	1.39						.01	.12		.11	.47	1.57	.09	.12		.05			.04		5.57
Layton	Delaware			.01					.14	.31	.15	.76	.22	.02					.43		.10	.01	2.23	.75	.02			.70					5.85
Long Valley	Raritan								.05		.30	.94	.87	.51						1.76	.46		.82	1.85	.18			.23					7.97
Newton	Delaware			T.				.13	.02	.15	.13	.40	.53	.03					.17	.02			.30	1.10	.06		.04	.56					3.64
Phillipsburg	...do	.03					T.	.13	T.		.13	2.15	.43					T.	.08	.21	.05	.02	1.35	3.07	.22	T.	.20	.42					8.49
Sussex	Hudson													1.98					.87				2.60	1.01			.04	.94					‡‡6.94
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic						.03		T	.13	T.	T.	1.83	.13	.03				.02		.06		.20	2.34	.23	.09	T.	.17	.02		.09		5.37
Canoe Brook ǁǁ	...do						T.		.20	.05	.05	.67	.76	.79					.19	.01	.88		1.15	1.30	.40	.14	.03	.15	.08				6.85
Chatham ǁǁ	...do							T.	.18	.05	.08	.44	.95	.61	T.				.23		.61	T.	1.01	1.25	.46	.21	.02	.04	.05		.01		6.20
Elizabeth	Coast							.08	T.	.56		.53	2.10	.20					.15			.05	.93	1.63	.36	.08	.18	.38					7.23
Flemington	Raritan			T.				.08		.07	.51	.23	1.97	.37					T.	T.	.07	.11	.81	.98	.16	.03	T.	.21		T.	.02		5.62
Jersey City	Coast			.32			T.	.03	T.	.10	.31	3.00	*	.23					.40	.06		.24	1.00	1.78	.40	.06	.09	.10			.01		8.13
Lambertville	Delaware							.06			.42	.30	1.58	.35						T.	.92	.20	.43	.60	.26	.03	.49	.02			.04		5.70
Little Falls ǁǁ	Passaic								.01	.22		.40	1.23	.88	.12					.71		.18	.87	2.60	.19	.17	.01	.16	.14				7.89
Newark***	Coast						T.	.07	T.	.39	.13	2.59	.19						.02	.72		.16	.51	.86	.76	.02	.21	.09			T.		6.72
New Brunswick	Raritan							.52		.01		.48	2.12	.41						.03			1.56	.97	.71	.08	.22	.51					7.62
New Milford**	Hackensack		.05						.12	.03	.30	1.08	.36	.03					.13			.80	1.40	.85	.22	.03	.06	.16					5.62
Paterson	Passaic							.02	.01		T.	1.91	.25	.81					.29	.02	.19		1.40	2.12	.08	.19	.02	.20			T.		7.51
Plainfield	Raritan							1.07	.63	T.	.23	3.79	.39	.12					.17	.21		.20	1.50	1.35	.29	.08	.15	.32					10.50
Ridgefield**	Hackensack		.07					.04	.16		.15	.72	1.21						.16	.01		.25	.64	2.73	.25	.02	.05	.17			T.		6.63
Somerville	Raritan							.09	.34	.24		.98	.60	.74					.03	.67	.03		3.48	1.34	.17	.08	.03	.69					9.51
Woodcliff Lake**	Hackensack		.69						.06		.54	1.15	.59						.06			.06	.98	1.60	.20	.07	.05	.08					6.13
New York, N. Y***	Coast		.29				T.	.04	T	.06	.26	2.99	.23	T.				.04	.39	.06		.21	1.19	1.53	.42	.02	.09	.09			.01		7.92
The Southern Interior.																																	
Belleplain	Tuckahoe	.15						T.	.08			.45		1.51					.35				.35	1.15	.35	.10	T.			T	T.		4.49
Bridgeton	Delaware							.10		T.				.80					.18				.99	.88	.30	.22	.33	.04		.13	.06		4.03
Burlington	Delaware							.36	.20			.30		.26					.35				2.00	1.01	.39	.11	.84	.03			.05		5.90
Camden**	...do							1.66	T.			.22	.34						.34			.42	2.42	1.17	.34		.14	T.		.03	.05		7.13
Freehold	Raritan							.09	.13		.05	1.25	.02	.47					.03	T.			.45	1.66	.55	.10	.38	.64		.01	.02		5.85
Hammonton	Mullica	.02						T.	.05		.20	.19		.68					.75				.14	2.00	.33	.23	.90	.02	.15	T.	.03		5.69
Hightstown	Raritan			T.			T.	1.11	.97	T.	T.	.18	.15	.89					.07				1.57	.78	.39	.01	.55	.03		T.	.03		6.73
Indian Mills	Mullica							.08			.10	.20	.22	.50					.38				.55	.74	1.18	.18	1.20	.92		.04			6.29
Lakewood	Metedeconk			.10				T.	.75	.06	.18	.19		.75					.30		T.		1.80	1.40	1.38	.35	.25	.10	.08	.02	.03		7.74
Moorestown	Delaware			T.	.02	T.	.02	.54	.07			.30	.54	.03				.30	.11			2.41	3.90	.63	.33	T	.57	T.		.02	.06		9.85
Northfield	Coast	.14						.07	.01			.11		.50					.64					1.13	.85	.12	.05	1.89	.04	T.	.02	.20	5.78
Pemberton	Delaware			.45				.08	.01			.61	.02	.90	T.				.41				1.30	.81	.34	.18	.93	.04			.03		6.11
Pleasantville ǁǁ	Coast	.11							.04				.08	.39	.10				.07	T.				1.07	.90	.28	.01	.20	1.14		.01	T.	4.42
Runyon	Coast			.11				.38			.01	.48	.88	.57									1.19	2.27	1.02		.30	.20					7.41
Trenton***	Delaware		.02					.46	.11		T.	.80	.72	T.					.01			1.13	.66	.39	.38	T.	.36	.05		.03	T.		5.12
Trenton No. 2**	...do		T.					.36	.27		.01	.81	.47					T.	.02			1.52	.76	.45	.53	T.	.32	.12		.08	.01		5.73
Tuckerton	Coast	.03		.08				.04	.90			.05		.78									.20	1.72	1.09	.72	.48	1.38	.05				7.52
Phila., Pa***	Delaware							.59	.06			.09	.35	T.					.17			.95	.56	.83	.26	.05	.10	T.		T.	.09		4.10
The Sea Coast.																																	
Atlantic City***	Coast	.04	.06					.06				.05	.22	.12					.04				.42	.49	2.71	T.	.30	1.60			.01	.01	6.13
Long Branch**	...do		.05					T.	.02	.02	.37	.06	.52	.68					.07				1.13	1.29	.91	.17	.20	1.03			.01		6.53
Sandy Hook***	...do		.03					.23	.91	.04	.78	1.88	.34	T.					.04	T.			1.30	.70	.47	.03	.14	.29			.70		7.88

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡‡ Amount recorded on 13th is rainfall from 1st to 13th.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.160	.192	.192	.192	.168	.144	.144	.048	066	.130	.206	.072	.134	.128	.192	.176	.176	.158	.122	.112	.128	.110	.020	.032	*	.010	.014	.064	.136	.072	.072	3.570
	Wind movement	5	7	8	8	15	13	16	2	4	10	18	17	12	4	6	4	5	12	5	3	6	12	7	21	5	7	2	5	6	6	5	256
Pleasantville**	Evaporation	.256	.240	.224	.288	.320	.320	.008	.288	.304	.304	.144	.230	.068	.288	.256	.272	.230	.272	.128	.320	.160	.174	.004	.024	.042	.072	.100	.192	.074	096	.164	5.862
	Wind movement	39	32	36	72	46	24	70	43	93	124	109	75	28	38	29	33	85	29	75	58	139	45	51	39	46	35	40	55	10	43	38	1679
Runyon	Evaporation	.180	.180	.260	.240	.240	.240	.120	.120	180	.130	.230	.240	.210	.180	.200	.240	.180	.180	.160	.180	.180	.170	.094	.000	.080	.000	.080	.140	.120	.120	.120	4.994
	Wind movement	23	22	11	16	17	20	12	14	9	10	39	12	13	13	5	6	13	12	14	10	8	12	27	23	6	8	4	11	6	8	9	710

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for August, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	86	88	89	91	91	94	93	92	90	91	86	89	85	84	87	90	91	90	91	95	92	76	63	66	85	76	80	90	85	85	91	86.5
	Minimum	60	59	59	60	66	68	71	70	65	70	66	65	66	56	53	57	52	69	66	66	70	60	55	59	60	57	69	56	61	63	67	62.6
Charlotteburg	Maximum	84	85	85	88	91	92	90	86	86	89	90	86	86	83	91	92	89	93	92	96	96	90	63	65	80	81	82	87	85	83	88	86.3
	Minimum	56	51	51	56	59	60	66	64	61	65	68	64	64	54	45	49	53	67	60	65	67	59	54	56	59	62	67	55	54	58	65	59.2
Dover	Maximum	81	82	82	85	86	85	80	85	86	88	82	84	80	77	81	85	86	85	80	91	89	75	63	62	76	73	78	84	78	79	85	81.1
	Minimum	62	58	58	61	66	69	70	70	65	70	67	77	66	58	53	56	59	71	70	71	73	61	55	58	60	65	66	59	59	69	67	64.2
Layton	Maximum	83	85	88	86	91	91	83	90	85	89	85	85	82	70	88	91	92	87	86	99	90	78	62	69	81	78	80	85	83	82	91	84.4
	Minimum	56	54	55	57	63	62	72	68	64	68	67	65	63	52	50	55	58	68	65	69	70	60	55	58	62	63	65	57	62	61	66	61.6
Long Valley	Maximum	84	84	86	88	89	89	86	90	90	90	86	85	84	74	82	89	87	88	78	92	90	76	64	64	82	82	84	86	84	85	86	84.0
	Minimum	62	58	57	57	63	68	66	69	62	68	70	65	64	54	50	52	60	64	64	64	70	62	54	54	60	62	65	62	60	62	64	61.7
Newton	Maximum	82	83	86	84	87	89	82	88	87	89	85	85	82	80	84	88	88	89	85	94	90	80	62	67	79	75	81	85	81	81	88	83.4
	Minimum	61	56	57	56	65	67	69	68	64	71	64	63	64	59	52	56	59	68	65	70	71	56	52	56	59	63	63	58	61	68	64	62.1
Phillipsburg	Maximum	86	86	86	87	88	90	79	88	87	88	84	83	83	81	85	88	89	88	88	92	91	75	62	62	77	74	79	85	79	80	86	83.1
	Minimum	62	63	60	60	67	70	73	70	66	72	66	67	67	59	53	56	60	70	67	69	70	62	57	60	62	66	70	61	61	70	68	64.6
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
The Red Sandstone Plain.																																	
Boonton§§	Maximum	84	85	87	87	88	88	83	86	88	90	84	88	85	82	86	89	88	89	86	96	92	77	73	65	81	74	80	89	82	81	91	84.6
	Minimum	61	57	57	60	63	66	70	69	65	68	70	67	66	63	52	52	59	61	65	71	73	70	56	57	59	64	66	60	60	62	65	63.0
Canoe Brook§§	Maximum	85	86	87	90	91	90	85	86	89	93	86	89	85	82	85	90	90	89	85	95	95	79	73	66	80	77	82	88	81	82	92	85.6
	Minimum	56	53	53	56	64	64	66	67	61	70	68	66	62	52	51	50	54	68	63	67	68	68	55	56	58	63	65	55	60	65	62	60.8
Elizabeth	Maximum	88	90	88	93	96	91	95	90	89	97	84	92	88	86	88	92	93	93	88	97	98	81	65	63	78	76	86	88	81	82	94	87.4
	Minimum	62	62	61	62	66	76	70	71	66	71	69	65	65	59	56	56	60	69	68	71	74	64	55	58	60	65	68	60	63	69	65	64.5
Flemington	Maximum	87	90	92	93	93	95	89	93	92	95	86	91	87	83	91	95	96	94	95	100	99	82	67	64	80	77	86	89	82	83	94	88.4
	Minimum	64	63	61	62	65	69	71	72	66	71	71	66	66	62	56	56	60	72	67	71	72	66	57	59	62	66	69	62	62	70	67	65.3
Jersey City	Maximum	86	87	88	90	90	88	86	86	89	92	85	89	83	83	86	90	90	90	87	94	95	81	65	64	77	78	84	86	80	81	91	85.2
	Minimum	67	66	66	68	68	72	73	74	71	74	68	70	68	65	66	65	66	73	72	74	75	60	58	61	62	67	68	65	68	70	69	68.0
Lambertville	Maximum	84	86	89	87	90	91	90	88	90	91	90	89	88	87	90	87	91	93	92	95	94	88	63	63	76	77	82	85	....	....	90	86.4^{b}
	Minimum	68	70	64	60	66	63	68	70	69	68	72	64	62	62	60	57	64	66	65	57	64	52	50	52	61	63	63	71	63	68	67	63.5
Little Falls§§	Maximum	87	88	90	91	93	91	88	86	90	93	85	88	87	84	88	91	90	87	94	97	95	80	75	67	83	75	82	90	84	83	93	86.9
	Minimum	61	59	59	62	66	68	70	70	65	72	72	67	67	59	54	57	60	69	70	75	73	71	55	57	58	65	67	59	61	68	67	64.6
Newark	Maximum	87	87	87	88	87	88	88	87	88	90	84	85	85	82	87	90	91	89	86	96	95	78	65	63	78	75	83	85	80	82	92	84.8
	Minimum	64	66	65	66	69	72	72	73	69	74	68	70	67	66	59	61	62	72	70	73	74	57	56	60	63	66	68	64	66	70	67	66.7
New Brunswick	Maximum	86	86	85	89	91	89	86	85	89	91	85	88	84	82	85	88	90	89	88	94	94	89	66	64	75	77	83	84	77	79	91	84.8
	Minimum	64	63	63	63	68	72	70	71	67	72	72	67	67	61	57	60	61	72	69	74	74	66	57	59	62	65	70	63	65	70	67	66.2
Paterson	Maximum	87	88	88	89	90	90	86	88	90	93	86	89	85	84	86	92	91	90	87	97	95	81	64	64	81	77	83	87	82	84	91	86.0
	Minimum	65	63	62	65	67	70	73	72	67	74	69	67	67	63	57	62	67	70	70	74	73	63	56	59	61	66	70	64	65	70	70	66.5
Plainfield	Maximum	88	89	88	92	92	89	86	88	89	93	86	90	84	84	86	90	91	90	88	94	96	82	65	64	77	76	85	87	81	81	92	85.9
	Minimum	63	63	62	65	67	72	71	71	66	72	69	69	68	62	57	58	61	71	70	72	74	63	57	59	62	67	68	63	63	70	68	65.9
Ridgefield	Maximum	86	85	86	87	89	88	85	85	88	90	84	87	83	82	85	90	91	89	87	94	95	74	65	64	77	74	82	86	80	82	90	84.2
	Minimum	64	63	61	66	70	73	71	72	69	74	67	70	67	61	58	60	65	70	72	73	75	56	56	59	62	66	70	62	65	70	68	66.3
Somerville	Maximum	85	88	85	88	87	87	83	84	86	89	85	80	84	83	84	88	90	87	80	94	93	80	64	62	78	78	83	87	79	80	89	83.5
	Minimum	62	62	62	63	63	70	69	69	65	68	68	67	65	65	58	60	61	69	67	71	70	63	55	58	60	65	68	60	64	69	71	64.7
New York, N. Y.	Maximum	83	83	84	85	85	86	85	82	86	88	82	84	82	81	85	88	87	87	82	93	92	79	65	64	77	78	81	85	78	80	90	82.8
	Minimum	68	66	66	69	69	72	74	74	72	75	67	70	68	66	70	67	67	74	73	75	75	60	58	61	62	66	68	66	69	70	69	68.6
The Southern Interior.																																	
Belleplain	Maximum	84	89	87	90	92	92	91	92	93	92	89	91	87	85	87	88	87	87	93	94	96	96	88	79	75	83	87	87	85	81	91	88.3
	Minimum	65	60	61	58	65	68	65	74	64	72	70	71	69	63	54	54	59	70	67	75	73	71	65	65	64	66	71	62	69	69	70	66.1
Bridgeton	Maximum	89	89	91	91	92	93	90	95	95	95	88	92	88	85	89	91	92	91	99	98	97	89	73	70	72	82	90	88	81	81	91	88.6
	Minimum	65	62	65	63	69	70	69	71	68	74	75	70	68	65	60	60	62	70	70	75	74	71	62	64	63	62	68	64	69	69	70	67.3
Burlington	Maximum	87	88	95	97	95	92	89	90	91	93	90	91	87	85	86	91	93	91	96	96	97	91	79	65	73	79	87	86	80	80	90	88.1
	Minimum	65	61	61	63	71	70	68	73	67	72	70	70	67	64	56	56	59	69	69	74	74	69	60	62	63	67	70	64	67	70	68	66.4
Camden	Maximum	91	88	88	93	93	92	87	90	90	90	84	91	84	86	87	91	91	88	94	95	97	83	64	65	73	80	86	87	79	80	90	86.4
	Minimum	68	63	63	64	68	72	71	73	70	75	74	72	65	70	59	60	64	71	71	76	73	64	60	62	64	67	70	67	68	71	71	67.9
Freehold	Maximum	84	84	84	89	92	89	88	85	91	90	87	89	85	82	83	88	89	89	90	94	95	90	68	64	70	82	85	83	75	78	89	84.9
	Minimum	65	60	60	63	68	71	70	70	66	72	69	70	68	60	57	59	60	71	69	74	73	68	56	61	62	66	70	62	66	70	69	66.1
Hammonton	Maximum	89	91	91	93	95	93	90	95	96	93	90	92	85	85	89	91	92	87	94	96	95	85	80	68	72	82	87	87	86	80	90	88.0
	Minimum	65	59	58	64	66	70	67	74	66	73	71	70	69	63	55	55	60	71	68	74	73	71	62	63	64	67	70	63	68	70	70	66.4
Hightstown	Maximum	86	87	87	90	92	89	88	87	90	90	85	90	85	83	86	90	90	89	94	95	95	82	66	64	72	78	86	84	77	79	90	85.4
	Minimum	62	59	60	63	67	71	68	71	67	71	72	67	67	60	55	57	60	71	68	73	74	65	58	60	62	66	70	61	67	70	67	65.5
Indian Mills	Maximum	86	86	88	90	91	91	90	93	93	92	83	89	84	82	85	92	91	87	94	96	95	84	70	66	71	83	84	82	76	82	88	85.9
	Minimum	66	57	58	60	67	69	68	76	65	72	71	69	68	60	54	53	57	68	67	72	73	69	61	62	63	66	70	62	68	71	69	65.5
Lakewood	Maximum	88	85	84	88	93	90	89	87	91	92	85	92	85	84	85	91	92	89	91	97	96	85	69	65	68	84	85	83	78	80	90	85.8
	Minimum	65	57	60	61	66	70	68	67	65	72	72	68	68	60	54	56	60	70	57	73	73	68	60	62	64	67	70	62	68	70	70	65.3
Moorestown	Maximum	86	86	87	92	92	93	88	90	91	92	85	91	84	84	85	89	90	88	94	90	95	81	65	65	73	79	84	85	75	78	90	85.4
	Minimum	64	59	59	61	65	71	69	73	67	72	75	70	67	62	56	57	62	69	71	75	74	70	60	62	63	64	68	63	67	69	71	66.3
Pemberton	Maximum	86	87	87	90	90	90	88	89	92	92	88	89	84	82	87	91	91	89	93	96	95	93	69	66	72	82	85	84	74	79	88	86.1
	Minimum	66	59	61	63	67	71	70	73	67	74	73	70	68	61	56	56	59	70	69	74	73	68	60	62	63	67	72	63	67	71	69	66.5
Pleasantville§§	Maximum	84	86	83	82	86	83	86	94	87	86	83	85	82	84	83	85	86	86	89	90	88	83	74	70	75	82	83	80	86	83	91	84.0
	Minimum	64	63	61	57	74	75	73	75	66	73	71	68	62	63	53	54	56	68	64	70	69	68	66	66	65	66	69	64	66	70	68	66.0
Runyon	Maximum	89	89	89	90	91	88	86	85	88	92	85	90	88	86	89	91	92	93	91	95	96	89	68	64	78	78	86	86	84	80	92	86.7
	Minimum	58	61	55	59	61	68	65	65	59	59	73	69	67	54	58	56	54	52	63	71	70	66	59	60	61	69	69	72	62	70	69	63.0
Trenton	Maximum	86	86	86	89	89	90	85	88	89	90	83	89	84	82	84	90	91	90	93	95	95	83	64	64	74	78	86	86	77	79	90	85.0
	Minimum	66	65	65	65	68	72	71	72	69	74	69	68	68	64	60	63	65	71	72	76	72	61	58	61	62	66	67	65	66	70	69	67.1
Tuckerton	Maximum	88	84	81	86	88	87	86	90	87	89	83	85	83	82	80	83	86	90	90	92	93	83	78	69	70	80	82	79	77	83	90	84.0
	Minimum	67	61	60	60	70	70	67	75	68	74	70	70	68	68	59	59	61	70	66	72	72	70	61	67	64	64	72	64	68	70	70	67.0
Philadelphia, Pa.	Maximum	86	86	87	88	90	92	84	88	88	90	84	88	84	84	88	88	88	87	94	93	93	81	64	65	73	79	86	87	76	78	90	84.8
	Minimum	69	68	70	69	70	73	72	73	71	76	74	70	70	68	65	68	68	72	74	77	74	64	60	62	63	68	71	67	67	72	72	69.6
The Sea Coast.																																	
Atlantic City	Maximum	80	81	79	82	82	83	83	84	83	79	76	77	78	80	82	82	80	82	79	77	77	80	71	69	71	77	79	76	77	80	90	79.2
	Minimum	69	67	68	72	74	75	73	75	73	71	67	66	65	67	65	66	67	68	68	68	67	65	66	66	66	68	69	67	70	72	73	68.8
Long Branch	Maximum	82	84	80	85	86	84	84	85	85	89	85	85	84	83	82	89	91	90	83	94	93	82	64	65	69	78	82	80	76	78	90	82.8
	Minimum	67	64	67	66	70	72	70	72	69	74	74	70	69	61	58	60	64	72	70	75	75	63	60	62	64	67	71	66	68	70	70	67.7
Sandy Hook	Maximum	84	85	81	85	84	83	83	82	84	87	83	83	83	82	85	89	89	87	82	91	92	80	66	65	71	75	80	79	75	77	88	81.9
	Minimum	69	69	69	67	70	72	73	73	72	70	69	72	70	70	68	66	69	74	70	75	75	62	61	62	65	67	70	68	68	70	71	69.2

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. SEPTEMBER, 1937. No. 9.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

This September was a featureless month but both the temperature and precipitation were somewhat below normal. The general rains of the month occurred during the periods of the 4th to 6th, 13th to 14th, 17th to 19th, and on the 28th. A few stations reported local showers on other dates. The heaviest fall was recorded on the 13th, when about half of the stations reported amounts in excess of one inch. The monthly amounts, in percentages of the normal, for the various subdivisions were as follows: The Highlands, 65%; Red Sandstone Plain, 87%; Southern Interior, 62%; Sea Coast, 96%; State, 74%.

The temperatures were high during the first days of the month and again during the middle of the third decade. The maxima all occurred during the first few days of the month and with one or two exceptions were all in the nineties. The minima ranged from the high twenties, Runyon recording 29 degrees, to 50 degrees which was the lowest temperature registered at Sandy Hook.

Light frost was observed quite generally in the northern and central sections of the State on the 18th and 21st. There were no killing frosts, however.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 63.4°, which was 2.5° below normal. The highest temperature was 98° at Elizabeth on the 2nd, and the lowest, 29°, at Runyon on the 21st. The greatest daily range of temperature was 44° at Charlotteburg on the 24th. The highest monthly mean temperature was 67.0° at Jersey City, and the lowest, 59.4° at Dover.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +1.7°; Red Sandstone Plain, +1.8°; Southern Interior, +1.8°; Sea Coast, +2.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 43 stations, was 2.63 inches, which was 0.93 inch below normal. The greatest monthly precipitation was 4.41 inches, at Sussex, and the least, 0.75 inch at Phillipsburg. The greatest amount of precipitation in any 24 consecutive hours was 3.47 inches at New Milford on the 13th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +4.57 inches; Red Sandstone Plain, +1.96 inches; Southern Interior, —0.66 inch; Sea Coast, —2.68 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 3, 4, 11, 18, 23, 24, 25, 26, 30.
HAIL: 4.
LIGHT FROST: 18, 21.
THUNDERSTORMS: 4, 5.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.07	30.53	30	29.59	11	13.9	38	ne.	5	80	66	72	72
Long Branch	30.07	30.58	30	29.54	11	10.7	37	nw.	13	82	54	67	72
Ridgefield	30.06	30.56	30	29.58	11	.	....	....	....	....	....	....	....
Sandy Hook	30.06	30.52	30	29.57	13	12.9	52	n.	13	79	64	70	73
Trenton	30.07	30.56	30	29.59	11	7.4	30	n.	13	80	55	65	75

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	......	......	......	......
1886	66.9	95	36	1.13	0	......	......	......	......
1887	61.6	90	30	3.66	0	7	......	......	......
1888	63.1	84	29	7.09	0	12	......	......	......
1889	64.8	90	34	8.36	0	14	......	......	......
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	109	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	23	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	8	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	0.37	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	61.5	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	70.5	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63.2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63.4	98	29	2.63	0	6	19	5	6
Period	65.9	109	23	3.56	0	8	15	8	7

Climatological Data for September, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	62.3^{b}	−2.7	94	1†	35	21	38	1.29	−2.45	0.50	0	4	18	4	8	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	61.0	−1.1	94	4	33	19†	44	3.00	−1.15	1.83	0	9	27	0	3	w	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Mrs. Frances Grover.
Dover	Morris	600	53	59.4^{a}	−3.0	88	4	36	21	33	3.61	−0.47	1.53	0	6	13	11	6	......	William C. Harris
Layton....(near)	Sussex	480	36	60.6	−2.0	92	2	32	18	39	2.48	−1.38	0.82	0	6	16	5	9	sw.	A. M. Depue.
Long Valley	Morris	660	6	59.6	......	88	2†	34	21	38	1.73	......	0.73	0	6	24	2	4	n.	James E. Rice.
Newton	Sussex	769	54	61.2	−2.6	90	2†	36	18	33	2.01	−1.75	0.86	0	7	17	6	7	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	62.8	−2.5	93	4	37	21	33	0.75	−2.74	0.30	0	6	22	4	4	......	Town Engineer.
Sussex	Sussex	442	42	62.1	−2.1	92	2	35	18	36	4.41	+0.84	1.44	0	7	20	3	7	......	A. J. W. Mowatt
Means and extremes	......	......	....	61.1	−2.3	94	1†	32	18	44	2.41	−1.30	1.83	0	6	20	4	6	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	61.2	−2.3	92	2	35	21	40	2.49	−1.36	1.67	......	7	19	2	9	nw.	John Kline.
Canoe Brook	Essex	173	7	60.3	......	92	1†	31	18†	43	2.79	......	1.91	......	8	19	5	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	......	2.38	−1.84	1.61	......	6	18	7	5	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	63.8	−3.1	98	2	38	18†	43	3.90	+0.29	1.96	0	7	22	1	7	ne.	Union County Park Comm
Flemington	Hunterdon	140	§51	65.6	−0.9	97	2	37	21	42	1.58	−2.06	0.81	0	6	22	4	4	w.	Hiram E. Deats
Jersey City	Hudson	10	39	67.0^{g}	−0.5	93	4	......	......	......	3.98	+0.58	2.76	0	7	15	7	8	n.	S. K. Pearson.
Lambertville	Hunterdon	430	50	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	63.0	−4.3	93	1†	35	21	41	3.61	−0.07	2.83	0	7	21	4	5	w.	Passaic Valley Water Co
Newark	Essex	10	2	64.0	−2.7	92	1†	40	21	36	3.21	−0.48	1.96	0	6	13	12	5	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	63.9	−1.9	92	4	39	21	35	3.15	−0.21	1.55	0	6	20	6	4	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	......	4.09	+0.01	3.47	......	6	......	......	......	......	Hackensack Water Co
Paterson	Passaic	180	67	64.4	−2.0	94	4	39	21	33	3.27	−0.34	2.67	0	6	22	3	5	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	63.8	−1.7	94	4	38	21	35	2.64	−1.39	1.38	0	5	17	7	6	n.	S. K. Pearson.
Ridgefield	Bergen	80	20	63.5	−1.4	92	2†	40	18	33	4.32	+1.18	3.17	0	6	14	12	4	n.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	62.6	−3.5	92	4	37	18	38	2.31	−1.41	1.04	0	6	16	8	6	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	......	4.05	+0.19	2.93	......	6	......	......	......	......	Hackensack Water Co
New York, N. Y.	......	10	67	65.2	−1.6	89	2	45	18	27	4 04	+0.65	2.86	0	6	17	7	6	n.	U. S. Weather Bureau
Means and extremes	......	......	....	63.6	−2.2	98	2	35	21	43	3.18	−0.49	3.47	0	6	18	6	6	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	64.8	−1.5	93	5	34	21	41	0.92	−2.46	0.45	0	8	22	4	4	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	66.0	−2.4	96	4	40	21	34	2.54	−0.77	1.60	0	6	21	4	5	sw.	Bennett K. Matlack
Burlington	Burlington	12	§51	65.5	−2.2	93	2†	37	21	36	2.91	−0.65	1.08	0	7	19	3	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	65.4	......	94	3	46	18†	31	2.43	......	1.17	0	6	16	6	8	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	63.4	......	92	4	38	18	33	3.28	−1.01	1.29	0	9	22	3	5	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	64.2	......	93	4	36	21	37	1.10	−3.11	0.29	0	5	18	7	5	n.	J. G. Wilson.
Hightstown	Mercer	110	44	63.6	−3.1	92	2	38	21	34	2.20	−1.01	0.85	0	6	17	9	4	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	63.6	−2.8	93	4	35	21	40	1.86	−1.63	0.90	0	5	13	11	6	sw.	James M. Armstrong.
Lakewood	Ocean	54	33	63.6	−1.4	94	4	36	21	37	3.31	+0.27	1.43	0	7	20	2	8	nw.	R. W. Holman.
Moorestown	Burlington	62	74	63.2	−3.1	91	4	38	21	33	1.29	−2.24	0.39	0	5	16	8	6	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	......	1.40	−1.45	0.48	0	6	......	......	......	......	William L. Flick.
Pemberton	Burlington	55	7	64.2	......	92	1†	37	21	35	3.78	......	1.45	0	6	21	2	7	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	62.8	−3.5	91	4	33	21	38	1.61	−1.36	0.40	......	9	22	2	6	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	63.9	−0.8	93	2†	29	21	43	3.13	−0.47	1.48	......	6	23	4	3	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	64.3	−2.6	92	2	43	18	31	1.90	−1.50	1.15	0	6	14	8	8	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	64.0	......	93	4	41	18	33	1.98	......	0.87	0	6	......	......	......	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	64.0	−2.7	92	4	38	18	37	1.54	−1.72	0.55	0	7	19	2	9	ne.	John H. Brown.
Philadelphia, Pa.	......	26	66	66.4	−1.6	91	1	46	18	25	1.55	−1.59	0.74	0	6	14	8	8	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	64.2	−2.4	96	4	29	21	43	2.19	−1.36	1.60	0	6	19	5	6	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	65.8	−1.0	84	1	47	18	21	1.07	−1.58	0.48	0	4	14	8	8	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	64.0	−1.9	95	4	41	21	28	4.12	+0.93	1.92	0	7	16	7	7	sw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	66.0	−1.5	91	2	50	18	21	3.71	+0.28	2.20	0	6	16	8	6	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	65.3	−1.5	95	4	41	21	28	2.97	−0.12	2.20	0	6	15	8	7	sw.	
For the State	......	......	....	63.4	−2.5	98	2	29	21	44	2.63	−0.93	3.47	0	6	19	5	6	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-11-7-37-900

Daily Precipitation for September, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware					.50								.50						.19									.10				1.29
Charlotteburg	Passaic	.06			.12	.56								1.63	.20			.10		.09									.22	.02			3.00
Culvers Lake	Delaware																																
Dover	Passaic				1.24	.47								1.53				.04		.11									.22				3.61
Layton	Delaware					.71								.80	.02			.33		.42									.20				2.48
Long Valley	Raritan					.60								.68	.05			.10		.07									.23				1.73
Newton	Delaware				.06	.56								.85	.01			.27		.07									.19				2.01
Phillipsburg	do				.05	.24								.30				.03		.02									.11				0.75
Sussex	Hudson				1.02	1.44								1.22	.19			.20		.08									.26				4.41
The Red Sandstone Plain.																																	
Boonton ‖‖	Passaic					.13	.43								1.67			T.	.05		.02								.14	.05			2.49
Canoe Brook ‖‖	do					.09	.44								1.91			.01	.07		.05								.17	.05			2.79
Chatham ‖‖	do					T.	.41								1.61				.07		.09								.15	.05			2.38
Elizabeth	Coast				1.03	.60	.04							1.96				.06		.03									.18				3.90
Flemington	Raritan					.81	.11							.31				.05		.05									.25				1.58
Jersey City	Coast				*	.95								2.76				.02		.03		T.							.22				3.98
Lambertville	Delaware																																
Little Falls ‖‖	Passaic					.16	.28								2.83				.07		.04								.19	.04			3.61
Newark***	Coast				.66	.44								1.96				.03		.05									.07				3.21
New Brunswick	Raritan					1.55	.07							1.11	T			.06		.05									.31	T.			3.15
New Milford**	Hackensack				.10	.23								3.47				.03		.04									.22				4.09
Paterson	Passaic				T.	.30								2.65	.02			.07		.04									.19				3.27
Plainfield	Raritan				*	.91								1.38				.08		.05		T.							.22				2.64
Ridgefield**	Hackensack				.51	.31								3.17				.05		.03									.25				4.32
Somerville	Raritan					.86	.04							1.04				.04		.05									.28				2.31
Woodcliff Lake**	Hackensack				.64	.29								2.93				.02		.02									.15				4.05
New York, N. Y***	Coast				.33	.58								2.86				.03		.03		T.							.21				4.04
The Southern Interior.																																	
Belleplain	Tuckahoe					.45	T.							.22															.25				0.92
Bridgeton	Delaware					1.60	.19							.27				.09										.02	.37				2.54
Burlington	Delaware				1.08	.90	.12							.30				.13		.07									.31				2.91
Camden**	do				1.17	.29								.36				.13		.04									.44				2.43
Freehold	Raritan	.06	.09			1.28	.09							1.28	.01			.04		.04									.39				3.28
Hammonton	Mullica					.21	.29							.24				.07		T.								T.	.29				1.10
Hightstown	Raritan					.85	.12							.70				.09		.04									.40				2.20
Indian Mills	Mullica					.90	.12							.34				.10											.40				1.86
Lakewood	Metedeconk		.13			1.43	.09							1.12				.05		.05									.44				3.31
Moorestown	Delaware				.11	.31								.39														.20	.28				1.29
Northfield	Coast	.02				.48	.06							.30				.07		T.									.47	T.			1.40
Pemberton	Delaware					1.45	.12							.36				.90		.60									.35				3.78
Pleasantville ‖‖	Coast	.42				.03	.13							.05	.40				.11		T.								.24	.22	.01		1.61
Runyon	Coast					1.12	.06							1.48				.07		.05									.35				3.13
Trenton***	Delaware				.28	.88						T.		.35				.11		.03									.25				1.90
Trenton No. 2**	do		T.		.19	.87								.44				.12		.04									.32				1.98
Tuckerton	Coast					.11	.15							.55				.14	.04										.51	.04			1.54
Phila., Pa***	Delaware				.42	.38								.28				.10		.02									.35				1.55
The Sea Coast.																																	
Atlantic City***	Coast				T.	.18								.48				.02		T.									.39				1.07
Long Branch**	do		.01		.34	1.44	T.					T.		1.92				.02		.04									.35				4.12
Sandy Hook***	do				.37	.95								2.20				.01		.01									.17				3.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.160	.144	.176	.144	.186	.040	.112	.096	.160	.160	.112	.112	.120	*	.078	.112	.138	.054	.112	.066	.144	.086	.096	.096	.096	.048	.112	.074	.010	.064	....	3.118
	Wind movement	4	2	7	13	19	3	13	5	8	20	4	7	9	14	16	21	8	2	10	26	18	7	8	10	1	5	16	7	8	3	....	294
Pleasantville**	Evaporation	.160	....	.224	.302	.066	.096	.224	.160	.256	.192	.080	.258	.016	.160	.178	.160	.078	.160	.096	.160	.160	.176	.160	.128	.096	.160	.112	.092	.090	128	....	4.426
	Wind movement	46	11	42	55	76	41	49	26	16	61	85	18	66	34	67	18	43	37	49	47	20	28	25	19	40	51	60	108	40	40	.. .	1318
Runyon	Evaporation	.120	.135	.150	.160	.096	.180	.120	.160	130	.150	.150	.120	.160	.120	.120	.120	.070	.120	.050	.120	.120	.120	.120	.090	.060	.090	.120	.030	.120	.120	....	3.541
	Wind movement	5	7	16	8	16	33	7	6	20	4	4	7	17	14	23	12	8	8	11	14	11	5	6	3	6	24	12	41	21	22	. ..	391

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for September, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	94	....	....	94	81	74	82	82	82	83	81	87	61	64	82	80	65	70	70	70	73	77	81	85	85	74	61	55	52	73	....	75.6[b]
	Minimum	64	67	....	64	58	50	51	50	51	50	51	52	52	49	44	52	52	36	42	43	35	43	44	50	52	53	42	44	43	37	....	49.0[a]
Charlotteburg	Maximum	93	92	91	94	78	67	78	80	79	89	79	79	66	68	76	77	75	67	66	67	67	72	77	85	90	76	68	60	68	68	....	76.4
	Minimum	56	60	64	67	57	46	39	46	47	47	43	59	53	48	36	52	44	34	33	33	33	35	39	41	47	51	40	45	42	33	....	45.7
Dover	Maximum	85	87	87	88	74	65	73	74	72	73	74	70	60	66	75	72	64	63	65	63	66	67	72	78	76	68	....	59	63	65	....	71.2[a]
	Minimum	67	67	68	70	57	48	46	51	49	48	47	55	53	50	42	55	46	37	39	47	36	44	42	47	51	55	44	45	43	39	....	47.6
Layton	Maximum	90	92	89	91	72	68	80	79	76	88	75	70	62	71	76	75	61	65	62	65	69	74	75	85	84	71	60	55	68	71	....	74.0
	Minimum	61	66	63	65	58	44	46	45	48	49	49	51	49	50	41	47	51	32	37	45	33	41	41	49	52	55	37	38	39	38	....	47.3
Long Valley	Maximum	90	88	88	89	66	66	74	75	76	75	74	70	56	72	70	72	58	67	67	62	70	70	76	80	80	66	60	54	66	70	....	71.6
	Minimum	62	64	65	65	60	44	46	46	48	47	55	50	50	45	40	50	48	36	38	42	34	40	40	42	50	54	42	42	45	40	....	47.7
Newton	Maximum	89	90	88	90	74	67	76	77	75	78	75	71	59	69	76	74	61	64	66	63	69	72	75	82	84	68	65	52	67	70	....	72.9
	Minimum	68	68	66	68	55	45	46	51	51	50	50	54	49	48	45	52	50	36	42	46	39	49	46	49	55	42	40	43	42	40	....	49.5
Phillipsburg	Maximum	87	90	91	93	77	68	79	80	78	78	76	77	59	71	79	77	61	65	69	69	70	72	76	81	81	72	59	54	66	69	....	74.1
	Minimum	65	69	65	69	58	54	54	52	66	51	52	54	53	49	46	54	45	38	42	51	37	44	44	50	52	54	44	45	45	42	....	51.5
Sussex	Maximum	90	92	90	90	75	68	79	78	77	81	80	73	65	69	79	77	74	66	66	64	67	73	76	84	84	80	70	55	68	69	....	75.3
	Minimum	61	66	66	68	57	44	47	49	48	46	50	54	51	50	43	52	50	35	40	48	36	41	41	49	49	56	43	45	46	37	....	48.9
The Red Sandstone Plain.																																	
Boonton§§	Maximum	91	92	89	91	70	70	80	80	77	78	77	74	57	69	77	75	58	66	67	65	69	72	74	84	79	70	63	56	70	70	....	73.7
	Minimum	62	64	64	66	69	49	45	47	50	49	49	51	55	53	42	43	49	38	40	44	35	43	40	44	45	48	45	46	46	38	....	48.6
Canoe Brook§§	Maximum	92	92	91	92	71	69	79	80	76	78	82	78	58	70	77	78	59	68	68	66	70	71	76	85	78	72	66	57	68	71	....	74.6
	Minimum	61	64	61	66	65	45	43	46	46	47	45	51	47	46	40	52	45	31	37	44	31	37	41	42	49	46	38	40	39	36	....	46.0
Elizabeth	Maximum	94	98	92	93	72	70	80	82	78	79	80	79	63	73	80	80	66	70	70	70	71	73	88	86	71	75	68	58	68	71	....	76.6
	Minimum	65	68	65	69	57	52	48	52	54	53	55	53	53	47	45	58	51	38	42	44	38	45	45	49	52	55	44	48	45	42	....	51.1
Flemington	Maximum	95	97	94	98	90	70	83	80	80	83	82	79	71	76	82	83	77	73	73	72	73	76	84	89	83	76	65	57	74	74	....	79.6
	Minimum	65	69	65	69	60	54	54	54	54	51	52	54	55	49	45	57	52	38	40	45	37	46	45	47	54	53	45	49	47	43	....	51.6
Jersey City	Maximum	90	92	91	93	74	70	79	80	74	78	79	77	60	70	77	80	64	67	70	69	70	71	76	....	....	....	....	....	....	....	....	76.1[g]
	Minimum	72	72	71	69	59	57	55	57	61	62	60	57	55	52	54	66	50	45	51	50	48	51	56	....	....	....	....	....	....	....	....	57.8[g]
Lambertville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Little Falls§§	Maximum	93	93	92	93	67	72	81	83	79	81	81	76	59	71	80	78	59	69	70	68	72	75	78	87	82	73	66	58	70	73	....	76.0
	Minimum	63	66	69	66	61	49	47	51	50	50	50	53	53	52	44	55	49	38	42	49	35	43	43	46	53	51	43	47	45	39	....	50.1
Newark	Maximum	92	92	91	92	73	68	80	79	76	77	78	76	58	70	78	77	60	67	70	67	70	70	75	86	76	73	64	55	67	67	....	74.1
	Minimum	67	70	68	70	58	53	51	55	58	56	57	56	54	50	50	60	51	42	46	50	40	49	48	50	59	56	48	50	50	45	....	53.9
New Brunswick	Maximum	90	90	89	92	88	68	77	78	74	76	76	75	70	70	78	77	75	66	69	67	69	70	75	85	76	73	65	56	67	67	....	74.9
	Minimum	67	71	68	70	60	54	53	54	57	54	55	55	54	50	47	59	52	40	43	45	39	47	44	50	56	57	47	49	47	43	....	52.9
Paterson	Maximum	92	93	91	94	82	70	80	79	78	79	78	75	64	70	78	78	71	67	68	66	70	72	77	84	77	72	65	59	66	70	....	75 5
	Minimum	67	68	72	72	58	51	50	55	56	54	56	52	54	52	47	60	52	40	44	49	39	48	46	51	58	57	47	49	49	46	....	53.3
Plainfield	Maximum	92	93	92	94	74	70	79	81	77	78	79	78	60	72	80	80	60	68	71	70	71	72	76	85	75	76	66	57	70	70	....	75.5
	Minimum	66	68	66	69	57	53	51	53	56	54	54	54	56	49	46	57	50	40	42	45	38	46	44	50	55	56	47	50	47	43	....	52.1
Ridgefield	Maximum	89	92	91	92	72	68	78	79	77	79	77	75	57	70	77	77	59	68	69	67	69	71	75	85	77	72	60	55	67	70	....	73.8
	Minimum	66	68	72	71	57	51	50	53	56	54	55	57	54	51	50	59	49	40	46	49	41	46	46	52	59	58	45	48	47	45	....	53.2
Somerville	Maximum	90	91	90	92	76	70	78	78	77	77	72	77	64	69	69	76	60	67	68	67	69	70	76	83	76	73	66	53	68	70	....	73.7
	Minimum	66	70	65	73	58	50	49	52	55	53	54	53	54	47	48	55	50	37	45	43	39	47	46	45	60	51	44	43	43	46	....	51.4
New York, N. Y	Maximum	87	89	89	89	74	67	78	78	72	76	77	73	58	68	73	76	66	65	67	65	68	69	74	83	76	72	63	57	66	69	....	72.8
	Minimum	75	73	72	68	59	58	56	58	64	63	62	58	52	52	56	63	50	45	54	51	50	53	59	56	64	56	49	50	51	52	....	57.6
The Southern Interior.																																	
Belleplain	Maximum	91	91	90	92	93	87	84	83	80	78	80	79	78	73	81	80	77	72	75	74	71	75	76	82	79	76	72	63	61	69	....	78.7
	Minimum	65	67	64	70	67	58	58	55	50	50	53	52	54	47	48	56	47	38	41	39	34	40	40	41	54	53	45	50	50	39	....	50.8
Bridgeton	Maximum	93	94	91	96	90	73	77	79	84	84	79	79	65	72	82	80	65	70	73	70	72	80	80	83	86	73	69	60	67	77	....	78.1
	Minimum	67	69	68	70	61	58	60	59	55	54	55	55	55	48	49	60	50	43	45	43	40	46	47	49	55	55	50	50	50	50	....	53.9
Burlington	Maximum	92	93	92	93	85	70	79	77	82	90	84	79	75	71	80	80	78	68	70	69	71	74	79	84	80	74	66	58	67	70	....	77.7
	Minimum	65	70	66	68	62	57	57	59	57	54	56	56	56	50	46	62	51	43	42	48	37	45	44	48	53	59	49	51	48	41	....	53.3
Camden	Maximum	91	93	94	92	78	68	75	78	82	81	80	77	61	72	81	80	61	66	70	69	71	73	77	82	80	77	62	55	65	70	....	75.4
	Minimum	71	73	72	70	58	57	60	61	57	58	56	53	55	51	50	58	52	46	46	50	52	49	47	54	57	51	52	51	50	46	....	55.4
Freehold	Maximum	90	91	91	92	82	69	76	77	75	77	76	76	72	69	78	77	72	66	69	68	69	70	75	82	76	74	65	58	65	68	....	74.8
	Minimum	66	71	68	70	62	56	52	53	52	51	51	52	54	49	48	59	51	38	43	42	40	47	45	49	55	56	44	51	46	42	....	52.1
Hammonton	Maximum	92	91	91	93	83	68	78	79	79	79	80	79	75	71	81	80	62	68	73	70	70	75	78	82	81	76	68	64	63	72	....	76.7
	Minimum	67	71	70	71	61	56	55	56	51	50	51	52	54	46	48	56	50	39	43	42	36	42	42	45	54	56	46	49	49	43	....	51.7
Hightstown	Maximum	91	92	90	91	84	67	78	79	76	76	78	77	69	70	79	78	68	68	70	67	70	71	77	83	78	73	63	57	67	68	....	75.2
	Minimum	64	72	67	69	60	55	53	54	53	51	52	55	54	48	46	58	51	39	45	43	38	44	43	50	54	58	45	49	46	40	....	51.9
Indian Mills	Maximum	91	91	91	93	85	68	78	76	81	80	79	77	72	71	80	80	68	69	72	68	69	75	80	82	82	73	65	60	63	72	....	76.4
	Minimum	66	70	68	69	63	56	55	56	51	50	51	52	55	47	45	48	49	37	40	41	35	42	40	43	54	52	45	50	49	42	....	50.7
Lakewood	Maximum	90	90	91	94	86	67	77	79	77	78	78	79	68	71	78	78	70	67	70	68	70	70	74	83	75	76	66	59	64	66	....	75.3
	Minimum	66	69	69	70	62	59	52	53	52	49	53	53	55	47	47	69	48	38	41	41	36	46	42	46	55	56	45	50	49	42	....	52.0
Moorestown	Maximum	90	90	90	91	71	69	76	77	78	78	77	76	60	69	80	75	61	67	70	67	70	73	77	81	77	70	63	54	67	68	....	73.7
	Minimum	67	71	68	71	57	56	57	57	55	53	53	57	54	50	47	62	46	39	44	46	38	46	46	49	53	55	48	49	47	43	....	52.8
Pemberton	Maximum	92	92	91	90	86	69	79	77	77	80	79	77	68	74	76	77	77	68	70	65	65	66	72	82	82	77	67	62	68	72	....	75.9
	Minimum	66	72	67	69	62	56	56	55	54	52	54	55	56	48	50	60	51	39	44	45	37	45	44	47	53	55	47	50	48	41	....	52.6
Pleasantville§§	Maximum	87	89	85	91	80	69	73	82	77	77	80	77	61	72	77	80	67	65	75	69	71	71	72	81	73	73	65	59	61	68	....	74.2
	Minimum	68	67	67	70	69	61	57	56	51	50	54	56	55	47	43	57	46	39	40	38	33	41	41	43	42	54	47	54	50	43	....	51.3
Runyon	Maximum	92	93	91	93	86	76	78	82	81	80	78	79	75	72	76	78	76	75	72	72	69	75	77	85	75	77	75	69	71	74	....	78.4
	Minimum	68	69	59	61	69	54	59	49	47	44	46	43	52	56	39	55	49	32	49	34	29	37	39	59	49	50	46	47	46	47	....	49.4
Trenton	Maximum	90	92	90	91	74	68	77	78	77	77	77	75	61	69	78	77	61	66	69	66	70	72	75	82	79	71	63	55	66	68	....	73.8
	Minimum	70	72	69	71	56	56	58	58	59	57	57	57	54	50	53	59	48	43	48	48	44	51	50	51	59	55	48	48	48	47	....	54.8
Tuckerton	Maximum	85	84	86	92	84	78	72	79	73	80	73	74	70	73	75	74	71	65	76	70	74	73	71	85	72	79	67	60	63	74	....	75.1
	Minimum	63	70	67	72	63	59	55	55	53	55	55	55	54	47	48	57	50	38	48	40	39	40	45	48	55	57	45	52	50	48	....	52.8
Philadelphia, Pa	Maximum	91	91	90	91	77	68	76	80	80	78	76	79	60	70	79	77	65	66	70	68	70	74	76	82	80	72	63	56	66	71	....	74.7
	Minimum	73	74	72	71	57	57	63	62	62	61	61	59	54	51	56	65	53	46	51	50	51	56	55	57	62	58	52	51	50	52	....	58.1
The Sea Coast.																																	
Atlantic City	Maximum	84	82	81	84	81	67	72	77	75	75	79	74	64	71	75	77	70	64	72	69	67	68	71	74	71	78	63	61	61	66	....	72.4
	Minimum	71	74	73	74	65	63	62	61	62	61	62	61	55	52	64	62	54	47	53	48	51	53	63	58	61	60	51	53	51	51	....	59.2
Long Branch	Maximum	85	92	91	95	75	68	75	78	74	74	77	76	61	71	74	78	61	61	70	67	69	67	69	81	70	77	63	60	65	65	....	73.0
	Minimum	69	73	72	74	57	57	52	57	57	56	63	59	52	50	52	58	48	42	47	44	41	48	50	55	58	57	49	52	50	47	....	54.9
Sandy Hook	Maximum	84	91	88	90	74	68	76	77	73	73	76	75	61	69	72	77	66	65	68	66	68	67	69	79	71	73	63	59	65	65	....	72.3
	Minimum	72	73	73	71	60	59	61	62	65	64	64	61	56	54	59	66	55	50	55	53	51	57	58	58	61	59	54	53	54	56	....	59.8

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

THE LIBRARY OF THE
DEC 23 1937
UNIVERSITY OF ILLINOIS

24 NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLII. OCTOBER, 1937. No. 10.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

October was devoid of any particularly marked weather feature, the nearest approach to an abnormality being the rains of the 19-20th when excessive falls in amounts varying from one to four inches were recorded. Rains also occurred during the periods of the 2d-3rd, 5-6th, 9-10th, 13th, 22d-24th and 27-29th. The precipitation was moderate to heavy during the last mentioned period, while the other periods were characterized by light falls. The percentages of normal amounts for the various subdivisions were as follows: The Highlands, 124%; Red Sandstone Plain, 112%; Southern Interior, 185%; Sea Coast, 157%; The State, 155%.

The month was cool, this October being among the ten coldest on record since 1885. The cold period of the month was from the 8th to 18th, the remainder of the month being normal or above. The maxima were in the high seventies or low eighties and all occurred during the first few days of the month, the 2d, 6th and 7th being the dates most frequently mentioned. The minima, ranging from 15 degrees at Runyon to 38 degrees at Sandy Hook, occurred generally on the 17th.

Nearly all stations experienced killing frost during the month, the exceptions being the stations along the coast and a few along the Delaware River.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 53.2°, which was 1.5° below normal. The highest temperature was 84° at Bridgeton on the 2d, and the lowest, 15°, at Runyon on the 17th. The greatest daily range of temperature was 49° at Runyon on the 17th. The highest monthly mean temperature was 56.0° at Atlantic City, and the lowest, 50.0° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +1.4°; Red Sandstone Plain, +1.5°; Southern Interior, +1.5°; Sea Coast, +2.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 5.27 inches, which was 1.86 inches above normal. The greatest monthly precipitation was 10.33 inches, at Lakewood, and the least, 3.61 inches at Sussex. The greatest amount of precipitation in any 24 consecutive hours was 4.35 inches at Lakewood on the 20th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +5.53 inches; Red Sandstone Plain, +2.43 inches; Southern Interior, +2.22 inches; Sea Coast, —0.51 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 4, 5, 6, 28.
SLEET: 13.
THUNDERSTORMS: 6, 7, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.07	30.63	17	29.33	23	16.8	46	se.	20	79	65	71	57
Long Branch	30.05	30.66	17	29.30	23	12.2	40	ne.	28	76	53	64	52
Ridgefield	30.05	30.64	17	29.82	23	......	....	......	....	....	....	....	....
Sandy Hook	30.04	30.62	17	29.28	23	15.4	44	s.	20	77	63	69	56
Trenton	30.05	30.65	17	29.30	23	9.2	30	n.	28	80	54	65	58

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	......
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	**95**	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	**59.9**	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	**8.92**	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	**11**	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	**0.31**	0	1	23	6	2
1925	**49.1**	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	58.2	84	15	5.27	T.	10	12	7	12
Period	54.7	95	11	3.41	0	8	15	8	8

Climatological Data for October, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	52.6^a	−2.5	78	6	23	17	38	4.76	+0.94	1.86	0	8	12	7	12	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	51.0	−0.3	77	6	16	17	44	5.34	+0.93	1.79	0	7	20	2	9	w.	Newark Water Dept
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	5.68	+2.07	1.90	T.	8	....	....	....	......	Mrs. Frances Grover.
Dover	Morris	600	53	50.4^j	−1.0	75	6	22	17	....	4.58	+0.44	1.75	T	10	5	10	16	......	William C. Harris
Layton....(near)	Sussex	480	36	50.0	−1.1	79	6	18	17	40	5.85	+2.10	2.34	T.	9	6	6	19	nw.	A. M. Depue.
Long Valley	Morris	660	6	50.6	......	81	6	22	17	40	6.55	......	1.90	T.	7	15	14	2	n.	James E. Rice.
Newton	Sussex	769	54	50.4	−2.4	77	6	24	17	33	4.42	+0.77	1.64	T.	10	6	6	19	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	51.6	−2.1	76	6	23	17	36	3.76	+0.16	1.24	0	10	10	6	15	......	Town Engineer.
Sussex	Sussex	442	42	51.0^b	−1.9	79	6	20	17	40	3.61	+0.25	1.14	T.	9	13	4	14	......	A. J. W. Mowatt
Means and extremes	......	......	....	51.0	−1.6	81	6	16	17	44	4.95	+0.96	2.34	T.	9	11	7	13	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	51.2	−0.8	75	6	22	17	38	4.36	+0.45	1.75	......	9	14	5	12	ne.	John Kline.
Canoe Brook	Essex	173	7	52.0	......	81	5†	16	17	47	3.97	......	1.65	......	10	17	10	4	w	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	3.89	−0.22	1.47	.....	11	14	10	7	......	Paul Molitor. Sr.
Elizabeth	Union	45	58	53.0	−2.3	80	7	27	17†	36	4.17	+0.22	2.10	0	9	16	2	13	e.	Union County Park Comm.
Flemington	Hunterdon	140	§51	54.4	−1.2	78	1†	26	17	40	4.70	+1.19	1.10	0	7	17	5	9	sw.	Hiram E. Deats
Jersey City	Hudson	10	39	......	......	......	......	......	......	....	3.98	−0.12	2.00	T.	9	11	7	13	nw.	S. K. Pearson.
Lambertville	Hunterdon	430	50	......	......	......	......	......	......	....	4.68	+1.13	1.04	T.	....	....	....	....	......	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	52.8	−0.4	77	6	23	17	40	4.55	−0.04	1.93	0	10	13	9	9	nw.	Passaic Valley Water Co
Newark	Essex	10	2	53.6	−2.1	77	6	29	17	32	4.57	+0.21	1.74	0	11	7	9	15	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	51.0	−0.7	76	6	25	17	35	4.10	+0.28	1.50	0	9	14	10	7	s.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	....	......	......	......	......	......	....	4.75	+1.87	2.05	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	53.8	−1.4	78	6	30	15†	34	4.19	+0.08	2.07	0	7	18	6	7	nw.	J. R. Cahill, Evening News.
Plainfield	Union	120	49	53.6	−0.2	78	7	28	25	36	3.88	−0.20	1.25	0	9	8	11	12	n.	S. K. Pearson.
Ridgefield	Bergen	80	20	52.8	−0.2	78	6	28	17	33	4.21	−0.02	2.28	0	8	7	12	12	s.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	52.4	−1.7	78	2	27	15	33	4.24	+0.66	1.11	0	9	6	12	13	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	4.40	+1.55	1.49	......	10	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	67	54.6	−1.7	76	7	35	15	26	4.12	+0.59	2.18	T.	13	8	9	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	53.1	−1.1	81	5†	16	17	47	4.29	+0 47	2.28	T.	9	12	8	10	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	54.8	−0.7	81	2	20	25	42	5.85	+2.95	1.88	0	8	13	9	9	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	55.0	−2.2	84	2	30	15†	36	6.17	+3.07	1.35	0	13	14	5	12	nw.	Bennett K. Matlack
Burlington	Burlington	12	§51	55.8	−1.1	79	2	29	25	36	7.16	+3.67	1.86	0	9	12	7	12	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	53.6	......	78	2†	29	17	35	7.07	......	1.28	0	11	11	5	15	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	53.8	......	77	5	26	17	34	5.31	+1.60	2.38	0	10	19	6	6	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	54.4	......	81	2	25	17	41	7.38	+3.53	2.62	0	9	13	8	10	sw.	J. G. Wilson.
Hightstown	Mercer	110	44	53.4	−1.5	76	5†	25	17	37	4.50	+0.80	1.61	0	9	11	7	13	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	54.4	−0.8	79	5	23	17	43	5.61	+1.92	1.68	0	11	10	11	10	se.	James M. Armstrong.
Lakewood	Ocean	54	33	54.0	−0 2	80	6	27	16†	41	10.33	+6.53	4.35	0	10	11	7	13	nw.	R. W. Holman.
Moorestown	Burlington	62	74	53.2	−1.7	79	7	26	17	35	7.00	+3.52	1.96	0	13	9	8	14	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	....	......	......	......	......	......	....	6.34	+3.14	2.43	0	12	....	....	....	.....	William L. Flick.
Pemberton	Burlington	55	7	54.2	.....	79	6	25	17	37	5.08	......	1.69	0	13	13	5	13	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	54 0	−0.7	78	2	23	17	36	5.77	+2.44	1.75	......	8	17	3	11	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	54.4	+1.8	78	7	15	17	49	4.48	+0.66	1.92	......	9	16	8	7	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	53.8	−1.8	76	5	32	15	31	4.35	+1.57	1.24	0	11	7	10	14	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	53.8	......	79	2	29	17	35	5.37	......	1.17	0	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	44	55.6	−0.3	75	6†	30	15†	31	8.50	+4.88	3.04	0	12	17	2	12	nw.	John H. Brown.
Philadelphia, Pa	......	26	66	55.0	−2.8	79	2	35	15	27	5.24	+2.43	1.97	0	13	8	9	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	54.3	−0.8	84	2	15	17	49	6.25	+2.88	4.35	0	11	13	7	11	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	56.0	−0.9	77	7	32	15	24	5.43	+2.23	1.51	0	12	8	10	13	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	52.8	−2.6	79	6	29	15	33	7.91	+3.52	2.47	0	13	5	9	17	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	55.0	−1.9	75	6	38	15	21	4.55	+0.77	2.39	0	13	9	8	14	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	54.6	−1.8	79	6	29	15	33	5.96	+2.17	2.47	0	13	7	9	15	w.	
For the State	......	......	....	53.2	−1.5	84	2	15	17	49	5.27	+1.86	4.35	T.	10	12	7	12	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-12-2-37-900

Daily Precipitation for October, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware			.17		T.	.11				T	.20								1.10	.40			1.86	.07				.85				4.76
Charlotteburg	Passaic						.43				.14									.86	1.79			1.17	.03				.92				5.34
Culvers Lake	Delaware																																......
Dover	Passaic					*	.44				.22									1.75	.29		*	1.00	.03			*	.85				4.58
Layton	Delaware			.05			.11				.37	.02		.49						1.54	.80			1.60	T.				.87	T.			5.85
Long Valley	Raritan						.80				.22									1.15	1.60			1.90	.08				.80				6.55
Newton	Delaware						.20				.20	.03		.05						.76	.75			1.64	.02				.75	.02			4.42
Phillipsburg	...do																																......
Sussex	Hudson						.26				.15			.11						*	1.08			1.14	.02				.82	.03			3.61
The Red Sandstone Plain.																																	
Boonton ‖	Passaic						.67	T.			.18	T.		T.						.21	1.75	.20		.36	.21				.60	.18			4.36
Canoe Brook ‖	...do			.03			.43				.20									.25	1.65	.08		.47	.06				.73	.07			3.97
Chatham ‖	...do						.41	.02			.10	.01		T						.26	1.47	.12		.61	.12			.68	.09				3.89
Elizabeth	Coast			.04			.57				.20			.02							.33	2.10		.01		.01				.89			4.17
Flemington	Raritan			T.		.05	.79				.27			T.						.66	1.01		T.	1.10					.82				4.70
Jersey City	Coast			.02		T.	.40	T.			.11			.01						.25	2.00		.07	.17	T.				.95				3.98
Lambertville	Delaware														1.12					.80	.71			1.04	.06			.15	.80				‡‡4.68
Little Falls ‖	Passaic						.34				.23									.21	1.93	.05		.85	.07	.01			.82	.04			4.55
Newark***	Coast		.02	.01		.49	T.	T.		.03	.16			T.						.99	1.74		.22	.18	T.			.15	.57	T.			4.57
New Brunswick	Raritan			.06			.69				.27			.01						.21	1.50		.03	.27					1.06				4.10
New Milford**	Hackensack					.38	.05			.03	.16									.95	2.05		.14	.16				.07	.76				4.75
Paterson	Passaic					.35					.17			T.						.29	2.07		.03	.43	T.			T.	.85				4.19
Plainfield	Raritan						.55	T.			.26			.02						.52	1.25	T.	.03	.29	T.			.02	.94				3.88
Ridgefield**	Hackensack			.02		*	.45	T.		*	.15			T						.42	1.86		.06	.33	T.				.92				4.21
Somerville	Raritan			.02		.03	.71				.24			T.						.62	1.11		T.	.61	.03				.87				4.24
Woodcliff Lake**	Hackensack					.32	.07			.02	.19									.99	1.49		.16	.20				.05	.91				4.40
New York, N. Y***	Coast		.01	.01		.33	.08	T.		.02	.11			.01						.73	1.63		.15	.09	T.			.17	.78				4.12
The Southern Interior.																																	
Belleplain	Tuckahoe				.12		.89				.72			.18	T.					T	1.88		T.	.27				T.	1.36	.43			5.85
Bridgeton	Delaware					.26	.92				.33			.20	.03					.29	1.35		.06	.62	.05			.21	1.23	.62			6.17
Burlington	Delaware						1.86				.35			.07						.22	1.54			.62	.20				1.83	.47			7.16
Camden**	...do			T.		1.21		T.		.03	.31			.10					T.	.99	1.00		.36	.53	.01			1.25	1.28				7.07
Freehold	Raritan						.69	.01			.44			.06						.12	2.38		.03	.18	T.			T.	1.35	.05			5.31
Hammonton	Mullica						1.49				.52			.12						.08	1.88		T.	.38	T.			.02	2.62	.27			7.38
Hightstown	Raritan			T.		T.	.88	T.			.27			.05						.21	1.61		.03	.21	.01			T.	1.23	T.			4.50
Indian Mills	Mullica						.67				.42	.15		.17						.14	1.54		.04	.40	.02			T.	1.44	.62			5.61
Lakewood	Metedeconk						1.67	T.			.80			.15	.02					.14	4.35		.05	.35					2.10	.70			10.33
Moorestown	Delaware					1.40		.01		.22	.18		.02						.08	1.68	.18		.28	.20	.15			1.96	.64				7.00
Northfield	Coast				.03		.68	.01			.95			.11	.02					.01	1.72		.05	.25				.08	2.43				6.34
Pemberton	Delaware						.40	.09			.47			.14	.01					.12	1.69		.02	.46	.01			.01	1.41	.25			5.08
Pleasantville ‖	Coast						.62				.75				.13					T.	1.62	.12		.23					1.75	.55			5.77
Runyon	Coast			.02			.76				.24			.03						.24	1.92			.22					1.02	.03			4.48
Trenton***	Delaware		T.	T.		1.00	T.	T.		.03	.24			.03					T.	.86	.54	T.	.28	.21	.01			.72	.43				4.35
Trenton No. 2**	...do		T.	.01		1.17		T.		.06	.33			.05					.07	1.11	.69		.35	.34	.03			.72	.44				5.37
Tuckerton	Coast						3.04				.83	.09		.08	.10	.06				.06	1.56			.55	.02				1.48	.63			8.50
Phila., Pa***	Delaware			T.		.84	.01	T.		.06	.32			.08					.01	.71	.38		43	.23	.01			1.16	1.00				5.24
The Sea Coast.																																	
Atlantic City***	Coast			T.	T.	.74	.04	T.		.07	1.07			.11	T.				T.	.40	.99		.23	.12				1.27	.32	.07			5.43
Long Branch**	...do					1.09	.84	.04		.07	.42			.08						.72	2.47		.25	.10	T.			.58	1.24	.01			7.91
Sandy Hook***	...do		.02	T.		.37	.06	.03		.05	.21			.02						.35	2.15		.22	.09	T.			.31	.67	T			4.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡‡ Amount recorded on 14th is rainfall from 1st to 14th.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.104	.080	.094	.064	.048	.014	.032	.176	.096	.024	.032	.064	.048	.080	.032	.128	.048	.032	.010	.002	.112	.080	.046	.044	.032	.048	.040	.106	.014	.096	.120	1.946
	Wind movement	6	13	13	7	8	23	10	31	20	5	5	9	36	6	9	18	5	10	22	39	15	33	55	44	20	13	27	39	17	33	50	641
Pleasantville**	Evaporation	.160	.144	.096	.112	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.040	.006	....	.160	.112	.096	.070	.086	.080	160	.096	1.465
	Wind movement	36	37	42	45	45	61	78	85	78	42	47	52	58	53	56	62	44	43	47	53	178	144	37	65	28	82	105	47	49	85	62	1946
Runyon	Evaporation	.120	.120	.080	.120	.120	.160	.120	.. .	.120	*	.030	.090	.030	.060	.060	.060	.060	.060	.060	.050	.080	.080	020	.060	.075	.075	.060	.020	.030	.060	.060	2.211
	Wind movement	25	17	23	24	13	39	17	....	25	24	30	21	25	19	21	20	12	14	36	58	38	42	90	58	24	26	27	58	53	87	30	996

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for October, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	75	76	72	71	73	78	75	58	51	49	67	71	63	54	53	53	60	68	67	68	....	69	65	48	53	65	66	60	61	70	61	64.0[a]
	Minimum	40	47	47	46	56	65	50	40	30	40	42	34	44	34	26	30	23	30	55	49	38	....	43	36	27	35	51	49	45	42	40	41.1[a]
Charlotteburg	Maximum	72	71	65	69	71	77	76	68	60	51	54	70	66	51	49	52	57	64	76	65	62	67	64	59	63	63	63	59	63	69	62	63.5
	Minimum	33	48	47	40	44	64	60	36	26	45	40	26	37	32	26	29	16	22	50	48	37	42	55	36	20	40	24	47	43	42	39	38.5
Dover	Maximum	69	72	59	66	69	75	....	....	....	....	....	....	....	....	63	49	54	63	66	....	62	68	63	51	51	62	63	54	58	69	54	61.4[i]
	Minimum	37	50	48	45	67	65	....	....	....	....	....	....	....	....	28	23	22	26	42	....	40	48	....	33	25	27	41	49	45	38	40	39.5[j]
Layton	Maximum	71	72	57	70	71	79	71	53	53	48	56	68	63	56	50	51	58	64	66	68	62	68	65	51	51	63	62	58	58	69	55	61.5
	Minimum	35	45	47	48	45	64	48	32	25	37	38	30	36	26	22	33	18	24	55	48	36	43	51	36	23	24	49	49	45	45	36	38.5
Long Valley	Maximum	73	73	59	74	75	81	71	54	54	46	54	50	50	50	49	49	58	66	65	66	65	70	65	46	52	64	69	58	59	70	54	60.9
	Minimum	35	50	50	45	54	62	61	36	30	38	38	30	40	35	26	31	22	26	54	64	36	44	50	36	22	26	48	48	45	42	35	40.3
Newton	Maximum	70	70	58	69	70	77	70	53	50	44	55	68	61	50	50	50	57	64	65	66	62	67	63	44	51	62	63	58	57	57	58	60.0
	Minimum	40	48	44	45	50	63	50	37	30	37	38	36	38	30	27	35	24	32	54	46	41	47	43	34	27	40	50	48	43	45	39	40.7
Phillipsburg	Maximum	72	75	60	69	74	76	72	58	51	49	59	70	54	52	49	62	65	66	67	68	63	67	64	46	51	63	65	58	59	70	55	61.6
	Minimum	40	47	50	52	54	66	54	42	32	41	39	35	45	36	30	28	23	30	36	50	39	49	46	35	29	32	53	50	47	42	39	41.6
Sussex	Maximum	71	69	63	71	74	79	75	62	51	45	55	67	66	50	49	50	68	....	....	67	60	69	65	58	52	64	65	60	56	66	60	62.0[b]
	Minimum	38	47	45	48	49	65	61	36	30	39	41	32	39	28	26	35	20	....	....	27	40	45	57	36	25	27	47	49	44	43	39	39.9[b]
The Red Sandstone Plain.																																	
Boonton§§	Maximum	70	74	57	70	72	75	73	55	51	51	56	68	50	52	51	51	57	65	67	68	63	70	66	47	52	65	67	56	77	77	54	62.2
	Minimum	35	41	50	45	50	57	64	42	30	36	42	31	39	35	26	36	22	27	34	67	41	46	49	43	24	27	30	50	48	45	44	40.2
Canoe Brook§§	Maximum	72	75	59	70	81	80	81	61	55	55	63	72	58	63	57	60	63	68	70	67	65	70	67	48	54	64	72	58	61	71	56	65.0
	Minimum	34	43	49	47	46	61	62	37	25	39	40	29	43	34	23	24	16	23	42	58	36	45	52	39	22	24	38	49	46	43	36	38.9
Elizabeth	Maximum	74	76	65	70	74	76	80	63	51	51	62	70	67	48	47	46	51	60	66	68	64	71	66	55	54	63	68	59	57	73	64	63.2
	Minimum	39	48	51	52	53	69	62	39	32	40	42	34	43	39	28	33	27	31	55	50	37	49	53	39	27	31	46	50	47	43	41	42.9
Flemington	Maximum	78	78	67	74	76	78	76	60	53	53	64	74	63	55	54	57	63	68	68	69	68	71	66	54	60	67	67	63	65	75	62	66.0
	Minimum	38	49	51	51	55	67	60	40	31	41	35	34	45	40	29	30	26	29	56	52	40	48	54	39	29	30	49	50	46	44	40	42.8
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lambertville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Little Falls§§	Maximum	73	74	61	73	74	77	76	58	53	50	59	71	52	54	53	55	60	65	68	68	67	72	67	48	56	64	67	56	63	72	57	63.3
	Minimum	37	45	50	49	51	59	66	40	29	40	41	31	42	35	27	31	23	28	48	60	41	48	57	39	26	36	44	50	48	46	42	42.3
Newark	Maximum	72	73	59	76	72	77	77	56	53	50	57	71	50	52	51	52	56	65	66	68	66	67	68	47	54	62	66	59	61	72	60	62.2
	Minimum	44	51	51	53	58	65	51	43	38	43	43	39	45	38	32	41	29	35	58	46	42	51	46	37	33	35	50	51	50	48	45	44.9
New Brunswick	Maximum	71	75	64	65	74	76	75	64	51	51	57	70	65	52	51	52	55	67	70	68	65	70	67	67	65	64	68	62	60	72	65	64.1
	Minimum	38	50	53	52	55	66	64	40	32	41	44	36	44	40	29	30	25	32	57	52	41	50	55	39	29	32	48	51	47	47	42	43.9
Paterson	Maximum	73	73	60	70	74	78	75	64	52	50	55	70	64	54	52	52	57	64	64	67	65	69	65	57	55	62	64	56	60	70	58	62.9
	Minimum	42	53	50	51	55	66	63	40	35	41	43	36	44	38	30	38	30	33	57	51	44	50	57	40	31	33	48	51	48	48	42	44.8
Plainfield	Maximum	74	75	60	70	74	76	78	60	54	52	61	71	51	54	55	55	58	68	68	68	67	69	71	50	55	67	68	62	63	73	58	64.0
	Minimum	38	49	52	52	57	65	52	42	32	41	40	35	44	40	29	34	30	32	58	48	38	50	48	42	28	31	47	51	48	43	43	43.2
Ridgefield	Maximum	73	73	59	70	73	78	75	56	52	52	56	71	51	51	52	53	57	66	66	68	66	68	66	47	55	62	64	58	60	72	55	62.1
	Minimum	43	52	51	52	56	66	48	37	34	42	40	38	44	36	30	35	28	33	58	47	44	53	45	36	31	33	51	51	48	48	42	43.6
Somerville	Maximum	73	78	62	67	75	75	75	57	51	52	59	70	52	50	52	54	57	67	66	67	66	66	65	47	54	64	69	60	60	71	56	62.5
	Minimum	42	53	49	49	54	65	50	37	32	39	40	37	42	37	27	33	29	37	47	50	39	49	45	34	29	31	49	49	49	45	39	42.2
New York, N. Y.	Maximum	71	74	60	69	70	75	76	55	64	52	55	68	51	52	49	53	56	62	64	67	65	64	65	46	54	59	65	62	59	70	55	61.2
	Minimum	52	56	54	56	60	64	50	43	40	45	44	46	44	38	35	40	40	47	59	50	47	56	46	42	39	47	54	52	49	50	41	47.9
The Southern Interior.																																	
Belleplain	Maximum	75	81	77	71	79	78	76	71	62	56	58	73	68	60	53	55	59	69	72	73	69	68	66	60	57	66	67	65	62	77	75	67.7
	Minimum	33	45	57	54	55	65	64	36	30	42	35	34	42	40	25	24	23	28	59	49	39	55	52	39	20	30	49	45	47	45	41	42.0
Bridgeton	Maximum	77	84	65	76	79	80	74	58	55	55	61	74	62	59	54	57	63	69	68	68	67	68	64	51	59	67	68	66	62	75	63	65.9
	Minimum	41	48	55	53	57	66	58	41	37	42	37	39	43	41	30	31	30	35	60	48	43	46	49	38	30	35	50	48	48	42	43	44.0
Burlington	Maximum	75	79	68	71	78	77	76	66	53	54	58	71	66	54	49	53	61	70	72	68	67	71	65	51	54	67	71	65	60	72	67	65.5
	Minimum	40	50	56	54	58	67	65	44	34	42	39	36	45	42	31	34	36	54	57	51	43	62	51	40	29	31	49	52	45	49	43	46.1
Camden	Maximum	74	78	59	68	78	77	75	63	52	64	67	72	54	52	50	53	61	70	70	68	67	69	65	47	57	66	68	65	61	74	57	61.6
	Minimum	42	54	55	55	59	67	52	46	37	44	41	42	45	38	35	34	29	35	60	47	45	54	45	40	32	35	51	50	50	49	42	45.5
Freehold	Maximum	73	75	63	68	77	76	74	60	51	51	56	69	61	50	50	51	57	68	70	68	65	69	67	55	54	64	67	64	59	71	65	63.5
	Minimum	39	53	52	52	56	66	59	39	32	41	39	37	44	40	28	29	26	37	58	52	40	51	54	41	29	34	49	50	48	45	45	44.0
Hammonton	Maximum	76	81	64	70	78	79	76	69	53	55	58	73	62	50	53	56	60	70	73	69	67	71	66	47	58	67	71	66	62	75	66	65.8
	Minimum	35	50	55	53	52	67	65	38	34	42	37	36	44	40	28	29	25	29	59	51	40	48	46	39	27	33	45	49	47	46	40	42.9
Hightstown	Maximum	72	75	64	66	76	76	75	61	51	52	57	70	62	51	52	53	59	67	70	67	65	69	67	52	54	64	68	65	60	72	67	63.8
	Minimum	37	50	53	50	54	66	61	39	32	41	40	36	43	40	28	29	25	30	57	51	42	51	51	39	28	30	48	50	47	47	40	43.1
Indian Mills	Maximum	76	78	66	71	79	78	76	76	53	52	56	72	67	50	51	54	63	70	72	68	67	71	66	54	59	66	70	66	62	75	70	66.3
	Minimum	33	47	56	53	55	68	64	36	30	42	36	35	44	40	25	28	23	30	59	51	37	48	54	38	25	30	48	50	48	44	38	42.4
Lakewood	Maximum	76	74	65	68	75	80	76	63	53	62	58	71	66	50	53	54	53	68	70	67	67	68	68	58	59	65	67	68	61	73	60	64.7
	Minimum	35	51	56	54	50	66	63	36	30	45	39	34	45	41	28	27	27	30	60	52	39	48	58	40	27	30	41	51	47	48	41	43.2
Moorestown	Maximum	73	75	59	69	78	73	79	53	52	52	69	67	58	52	51	56	56	69	72	68	66	69	65	49	55	66	68	65	61	74	57	63.4
	Minimum	38	51	54	63	57	64	50	36	33	42	38	38	44	35	31	30	26	32	59	47	43	50	49	35	29	39	49	49	48	48	38	43.1
Pemberton	Maximum	68	78	63	70	77	79	75	64	57	53	55	72	61	53	48	54	62	69	72	69	67	70	67	52	57	66	70	67	61	74	59	64.8
	Minimum	36	50	54	54	57	67	64	41	32	34	37	35	44	42	28	31	25	32	59	52	42	49	52	37	29	35	51	50	48	46	42	43.7
Pleasantville§§	Maximum	71	78	60	63	72	74	75	68	53	55	57	63	61	50	50	55	54	68	69	68	65	67	67	53	59	63	67	66	62	76	58	63.5
	Minimum	35	54	53	56	58	61	68	57	45	43	36	32	52	42	43	34	23	35	43	62	37	52	58	38	25	28	50	46	47	44	34	44.5
Runyon	Maximum	74	75	68	66	75	76	78	....	71	61	60	61	66	62	66	67	64	66	72	69	72	69	71	62	65	66	69	64	72	74	64	68.2[a]
	Minimum	30	48	52	51	48	65	64	....	33	40	39	28	43	43	20	22	15	22	52	51	48	44	54	40	20	24	44	54	48	44	40	40.5[a]
Trenton	Maximum	72	76	58	68	76	76	74	54	50	52	57	70	53	51	51	52	58	68	71	69	65	69	65	46	55	65	68	64	60	73	58	62.7
	Minimum	44	54	53	53	67	66	51	43	38	42	39	42	45	36	32	35	33	37	58	50	44	64	45	38	35	36	50	50	48	48	39	45.0
Tuckerton	Maximum	70	74	65	70	74	75	75	70	60	55	60	65	65	60	55	56	57	60	70	56	69	68	68	55	55	63	68	67	65	72	70	64.9
	Minimum	48	51	55	55	55	58	65	39	50	45	45	45	42	40	30	31	34	48	52	42	40	60	53	40	30	33	55	51	45	65	45	46.4
Philadelphia, Pa.	Maximum	71	79	62	68	76	75	75	56	50	63	59	70	59	52	52	56	60	68	69	69	66	68	64	47	54	64	66	65	61	76	59	63.5
	Minimum	48	55	55	54	58	66	51	45	43	43	40	46	44	36	35	39	38	41	59	50	47	54	46	37	38	42	49	49	48	48	41	46.6
The Sea Coast.																																	
Atlantic City	Maximum	70	74	63	66	72	76	77	59	64	55	57	66	63	48	53	53	56	65	66	66	63	65	65	49	57	61	63	63	61	76	59	62.6
	Minimum	52	59	59	61	64	66	53	43	42	47	39	63	44	37	32	37	37	52	59	53	51	59	46	43	39	50	53	51	49	55	42	49.3
Long Branch	Maximum	68	72	60	67	72	79	76	57	52	52	55	71	66	50	51	52	54	65	65	67	66	65	66	46	55	61	65	62	60	73	57	61.8
	Minimum	41	53	57	58	69	66	48	38	34	45	40	38	43	36	29	31	31	36	43	49	43	54	46	33	30	33	54	53	49	50	40	43.9
Sandy Hook	Maximum	70	71	59	64	71	75	73	66	52	51	56	67	55	51	50	51	53	62	64	66	64	63	64	47	52	58	63	59	58	68	56	60.4
	Minimum	53	57	55	57	59	66	52	47	44	46	48	47	47	41	38	42	44	45	58	52	49	56	47	44	42	47	54	53	51	53	43	49.6

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

Vol. XLII. November, 1937. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The mean temperature for the State during November was very near the normal, the State mean as computed from observations of 40 stations being only 0.1 degree above normal. The recorded maxima were in the low seventies and occurred on the 8th and 10th, while the minima, of from 10° to 15°, were reported on the 23d and 24th.

The average precipitation for the State was 1.38 inches above the normal, individual stations receiving excesses of as much as 3 inches, especially in the central section and along the coast. In the last two decades the State as a whole has received greater amounts during only two Novembers. Only three stations reported deficiencies this month. The following are the percentages of normal amounts for the various subdivisions: The Highlands, 130%; Red Sandstone Plain, 159%; Southern Interior, 153%; Sea Coast, 139%; The State, 143%.

Snowfall was somewhat below the amount to be expected, many stations reporting none at all, while most of that which was received at stations other than those in the northern section melted as it fell.

A number of stations in the southern, central, and coastal sections reported a mild thunderstorm on the 28th, no damage being mentioned.

R. J. S.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 43.7°, which was 0.1° above normal. The highest temperature was 72 at Hammonton, Pemberton, and Runyon on the 8th and 10th, and the lowest, 10°, at Runyon on the 24th. The greatest daily range of temperature was 50° at Runyon and Canoe Brook on the 2d and 25th, respectively. The highest monthly mean temperature was 47.0° at Atlantic City, and the lowest, 40.3° at Canoe Brook.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +1.3°; Red Sandstone Plain, +1.4°; Southern Interior, +1.4°; Sea Coast, +2.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 4.56 inches, which was 1.38 inches above normal. The average total snowfall at 20 selected stations was 0.2 inches, which was 0.9 inches below normal. The greatest monthly precipitation was 6.65 inches, at Charlotteburg, and the least, 2.58 inches at Sussex. The greatest amount of precipitation in any 24 consecutive hours was 4.20 inches at Charlotteburg on the 12-13th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands, +6.48 inches; Red Sandstone Plain, +4.24 inches; Southern Interior, +3.76 inches; Sea Coast, +0.75 inch.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 27, 28.
Sleet: 19, 20.
Thunderstorms: 28.

UNIVERSITY OF ILLINOIS

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.10	30.65	24	29.41	13	16.4	56	ne.	13	73	58	67	63
Long Branch	30.07	30.65	24	29.37	13	12.3	48	e.	13	76	55	60	64
Ridgefield	30.06	30.62	24	29.40	13		....	.. ..	....	....	....	....	....
Sandy Hook	30.06	30.62	24	29.37	14	15.7	41	sw.	9	75	59	67	62
Trenton	30.08	30.64	24	29.41	13	8.9	27	e.	13	74	53	60	60

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	....	......	......	......	......
1886	44.5	73	17	4.49	....	......	......	......	......
1887	41.5	72	13	1.94	....	6	......	......	......
1888	45.8	77	8	3.97	....	10	......	......	......
1889	45.7	69	13	8.48	....	13	......	......	......
1890	43.8	74	11	0.82	....	8	13	12	5
1891	42.2	70	6	2.39	....	4	12	10	8
1892	41.9	71	12	7.29	....	11	8	9	13
1893	41.8	70	11	3.48	....	7	10	11	9
1894	40.3	76	11	3.34	....	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0 96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T.	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
Period	43.6	83	1	3.18	1.1	8	12	8	10

Climatological Data for November, 1937

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	42.1	+0.7	65	8†	20	24	33	3.45	+0.26	2.59	T.	8	17	2	11	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	42.4^{a}	+2.0	66	8†	16	12	38	6.65	+3.03	4.20	3.5	9	19	0	11	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	848	36	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Mrs. Frances Grover.
Dover	Morris	600	53	41.0^{a}	+0.6	65	10	21	12	34	5.55	+2.00	3.89	1.5	10	9	11	10	......	William C. Harris
Layton....(near)	Sussex	480	36	40.4	+1.1	69	8	13	24†	46	4.17	+1.10	1.91	T.	10	14	2	14	w	A. M. Depue.
Long Valley	Morris	660	6	40.9	......	66	8	16	22†	33	4.58	......	2.30	T.	10	21	4	5	n.	James E. Rice.
Newton	Sussex	769	54	41.1	+0.3	63	10	22	24†	31	3.69	+0.62	1.76	1.5	12	8	7	15	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	42.0	+0.2	64	8	20	25	32	2.69	−0.14	1.69	T.	7	18	1	11	......	Town Engineer.
Sussex	Sussex	442	42	41.4	+0.2	65	10	18	25	35	2.58	−0.24	1.38	T.	9	17	5	8	......	A. J. W. Mowatt
Means and extremes	......	......	....	41.4	+0.7	69	8	13	24†	46	4.17	+0.95	4.20	0.8	9	15	4	11	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	41.1	−0.1	65	8†	18	23	36	5.72	+2.71	2.10	......	7	17	1	12	nw.	John Kline.
Canoe Brook	Essex	173	7	40.3	......	66	8†	14	24	50	5.42	......	1.51	......	9	17	7	6	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	......	......	......	......	......	......	....	5.47	+2.03	2.19	2.0	9	15	9	6	......	Paul Molitor, Sr.
Elizabeth	Union	45	58	41.6^{c}	−2.2	63	3	18	23	33	4.35	+1.43	1.62	T.	11	20	0	10	w.	Union County Park Comm.
Flemington	Hunterdon	140	§51	44.6	+1.3	69	10	20	25	43	4.44	+1.49	1.95	T.	11	20	3	7	w.	Hiram E. Deats
Jersey City	Hudson	123	39	......	......	......	......	......	......	....	4.18	+1.18	1.64	0.5	10	17	6	7	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	50	43.6	+0.5	66	8	20	24	32	5.89	+2.89	3.02	T.	10	19	5	6	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	43.4	+1.4	69	8	20	23	37	6.53	+3.13	2.38	1.0	10	15	6	9	w.	Passaic Valley Water Co
Newark	Essex	10	2	44.4	+0.7	69	8	23	23	30	4.01	+0.92	1.84	T.	9	15	5	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	44.0	+0.4	67	8	21	23	36	3.54	+0.70	1.55	T.	8	19	5	6	w.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	......	......	......	......	......	......	....	5.20	+1.99	2.72	......	8	....	....	....	......	Hackensack Water Co
Paterson	Passaic	180	67	43.8	+0.1	67	10	24	23	31	4.09	+0.97	2.28	0.2	10	20	3	7	nw.	E. Stanulis, Evening News.
Plainfield	Union	120	49	44.1	+1.5	69	8	21	23†	33	4.75	+1.70	2.00	0.3	12	15	7	8	w.	S. K. Pearson.
Ridgefield	Bergen	80	20	43.4	+1.6	66	8	23	23	27	5.28	+2.44	2.42	1.2	11	14	9	7	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	42.7	0.0	65	2†	19	23	32	4.51	+1.54	2.02	T.	11	14	7	9	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	......	......	......	......	......	......	....	5.05	+2.02	2.39	......	8	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	67	45.6	+1.4	66	8	27	23	23	4.12	+1.16	1.91	0.6	10	14	5	11	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	43.1	+0.5	69	8†	14	24	50	4.90	+1.81	3.02	0.4	10	17	5	8	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	45.3^{a}	+0.9	71	9	14	23	44	5.68	+3.14	2.66	0	7	21	2	7	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	45.4^{a}	−0.3	71	8	23	23†	34	3.84	+1.24	1.58	0	8	21	2	7	w.	Bennett K. Matlack
Burlington	Burlington	12	§51	45.0	+0.3	70	8	20	23	35	5.25	+2.27	1.79	0	11	15	8	7	sw.	Public Service G. & E. Co.
Camden	Camden	20	5	45.7	......	69	10	25	23	32	4.23	......	2.61	T.	9	15	7	8	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	44.4	......	69	8	22	23†	31	4.46	+0.44	1.95	T.	10	22	3	5	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	44.9	......	72	8	19	23	34	5.06	+2.02	2.25	T.	10	15	7	8	w.	J. G. Wilson.
Hightstown	Mercer	110	44	43.8	+0.3	68	8	20	23	32	3.24	+0.33	1.60	T.	11	15	8	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	44.3	+0.8	71	8	15	23	43	5.20	+2.20	2.10	0	11	10	13	7	w.	James M. Armstrong.
Lakewood	Ocean	54	33	44.8	+1.6	69	8	22	23†	38	4.80	+1.71	2.35	T.	10	17	4	9	nw.	R. W. Holman.
Moorestown	Burlington	62	74	44.2	+1.3	69	8	22	23	31	4.26	+1.35	1.24	0	9	14	5	11	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	......	......	......	......	......	......	....	4.74	+2.03	2.66	0	9	..	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	46.4	......	69	8	24	23	31	4.38	......	2.63	T.	10	10	11	9	nw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	7	45.6	......	72	8	19	23	35	4.14	......	1.40	T.	10	19	3	8	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	42.8	−2.3	69	9	14	23	42	5.09	+2.27	2.10	......	11	24	1	5	w.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	42.9	−0.6	72	10	10	24	50	2.87	−0.31	1.84	......	6	18	8	4	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	65	44.6	+0.2	68	8	26	23	30	3.54	+0.81	1.79	T.	9	13	7	10	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	44.3	......	69	8	24	23	31	4.33	......	1.90	T.	8	....	....	....	...	Edward H. Ristow.
Tuckerton	Ocean	23	44	46.9	+2.2	70	8†	20	23	35	5.09	+2.09	2.10	0	10	20	5	5	nw.	John H. Brown.
Philadelphia, Pa.	......	26	66	46.2	+0.5	68	8	27	21	25	3.44	+0.74	1.86	T.	9	13	8	9	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	44.8	+0.4	72	8†	10	24	50	4.46	+1.54	2.66	T.	9	17	6	7	w.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	47.0	+1.4	68	9	26	23	22	5.07	+2.25	3.45	0	10	12	8	10	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	44.8	+0.6	69	2	23	23	31	4.80	+1.24	2.72	0.1	12	12	6	12	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	45.9	+0.1	65	2	30	23	20	3.53	+0.28	1.74	0.1	8	13	6	11	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	45.9	+0.7	69	2	23	23	31	4.47	+1.26	3.45	0.1	10	12	7	11	w	
For the State	......	......	....	43.7	+0.1	72	8†	10	24	50	4.56	+1.38	4.20	0.2	9	16	5	9	w.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-4-38-900

Daily Precipitation for November, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	....	T.	....	....	....	....	....	....	....	....	....	....	2.59	....	.03	....	.09	....	.08	.08	....	.03	....	....	....	....	.15	.40	....	....	....	3.45
Charlotteburg	Passaic	....	....	....	....	....	....	....	....	....	....	....	....	4.20	.60	....	....	.07	....	.03	.26	....	.02	....	....	....	....	.02	1.26	.19	....	....	6.65
Culvers Lake	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Passaic	....	....	....	....	....	....	....	....	.02	....	....	*	3.89	....	.11	....	.03	....	.04	.26	.03	....	....	....	....	....	.03	1.14	....	....	....	5.55
Layton	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	1.91	.80	.10	....	.09	....	.03	.19	.02	....	....	....	....	....	.15	.72	.16	....	....	4.17
Long Valley	Raritan	....	....	....	....	....	....	....	....	.05	....	....	....	2.30	.41	.08	....	.07	....	.05	.20	....	....	....	....	....	....	.10	1.16	.16	....	....	4.58
Newton	Delaware	....	....	T.	....	....	....	....	....	T.	....	....	.01	1.76	.85	.05	....	.04	....	.14	.18	.04	.04	....	....	....	T.	.03	.50	.05	....	....	3.69
Phillipsburg	...do	....	.04	....	....	....	T.	....	T.	T.	....	....	.17	1.69	T.	T.	....	.15	....	.10	T	T.	....	....	....	....	T.	.14	.40	....	....	....	2.69
Sussex	Hudson	....	....	....	....	....	....	....	....	....	....	....	....	1.38	.65	.05	....	....	....	.10	.12	.04	....	....	....	....	....	*	.20	.04	....	....	2.58
The Red Sandstone Plain.																																	
Boonton‖	Passaic	....	....	....	....	....	....	....	....	T.	....	....	....	1.39	2.10	T.	.03	T.	....	....	.16	.04	....	....	....	....	....	. .	.62	1.38	....	....	5.72
Canoe Brook‖	....do	....	....	.06	....	....	....	....	....	.03	....	....	....	1.30	1.51	.04	.02	T.	....	T.	T.	T.	....	....	....	....	....	.07	1.33	1.06	....	....	5.42
Chatham‖	....do	....	....	....	....	....	....	....	....	.03	....	....	....	.91	2.19	T.	....	.02	....	....	.11	.19	....	....	....	....	....	.02	.91	1.09	....	....	5.47
Elizabeth	Coast	....	....	T.	....	....	....	....	....	.01	....	....	T.	1.58	.32	.09	....	.03	....	.04	.14	.02	....	....	....	....	....	.17	1.62	.33	....	....	4.35
Flemington	Raritan	....	....	.03	....	....	....	....	....	.02	....	....	T.	1.95	.88	.03	....	.03	....	.02	.11	....	....	....	....	....	....	.27	.92	.18	....	....	4.44
Jersey City	Coast	....	T.	T.	....	....	....	....	....	.02	....	....	T.	1.64	.18	.06	....	T.	....	.02	.06	.06	....	....	....	....	T.	.12	1.61	.41	....	....	4.18
Lambertville (nr.)	Delaware	....	....	....	....	....	....	....	....	.05	....	....	.28	3.02	1.12	....	.02	....	....	.06	.08	T.	....	....	....	....	....	.30	.94	.02	....	....	5.89
Little Falls.‖	Passaic	....	....	....	....	....	....	....	....	.01	....	....	....	1.62	2.38	.03	.06	.01	....	....	.23	.14	....	....	....	....	....	....	1.29	.76	....	....	6 53
Newark***	Coast	....	T.	T.	....	T.	....	....	....	.02	....	....	.04	1.61	...	.07	....	.01	. ..	.03	.09	T.	....	....	....	....	T.	.30	1.84	....	....	....	4.01
New Brunswick	Raritan	....	....	.02	....	....	....	....	....	T.	....	....	T.	1.55	.14	....	....	....	....	.05	.10	T.	....	....	....	....	....	.28	1.20	.20	....	....	3.54
New Milford**	Hackensack	....	....	....	....	....	....	....	.01	....	....	....	....	2.72	. ..	.04	....	....	....	.10	.13	.09	....	....	....	....	....	.09	2.02	....	....	....	5.20
Paterson	Passaic	....	...	.01	....	....	....	....	....	....	....	....	....	2.28	.20	.08	....	.02	....	.05	.21	.02	....	....	....	....	....	T.	1.02	.20	....	....	4.09
Plainfield	Raritan	....	T.	.02	....	....	....	....	...	.05	....	....	.05	1.81	.44	.03	....	.01	....	.02	.06	.06	....	....	....	....	. .	....	.20	2.00	T.	....	4.75
Ridgefield**	Hackensack	....	T.	T.	....	....	T.	....	....	.01	....	....	*	2.42	.15	.02	..	.01	....	.03	.18	.08	....	....	....	....	....	.15	2.23	....	....	....	5.28
Somerville	Raritan	....	....	.02	....	....	....	....	....	.03	....	....	....	2.02	.62	.07	....	.04	....	.07	.06	T.	....	....	....	....	. .	.26	1.18	.14	....	....	4.51
Woodcliff Lake**	Hackensack	....	....	....	....	....	....	....	.01	....	....	....	....	2.39	....	.07	....	..	....	.07	.22	.10	....	....	....	....	....	.06	2.13	....	...	....	5.05
New York, N. Y***	Coast	....	T.	....	....	T.	....	....	.. .	.01	....	....	.08	1.85	....	.02	....	.01	....	.02	.05	.06	....	....	....	....	T.	.32	1.70	....	....	....	4.12
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	....	....	....	....	T.	....	....	T.	1.79	.20	....	....	.30	....	....	.25	....	....	....	....	....	....	.27	2.66	.21	....	...	5.68
Bridgeton	Delaware	....	....	....	....	....	....	....	....	....	....	....	.08	1.58	....	....	..	.09	....	.02	.18	....	....	....	....	....	....	.25	1.30	.34	....	....	3.84
Burlington	Delaware	....	....	.40	....	....	T.	....	....	.30	....	....	.50	1.79	.31	.04	....	.04	....	T.	.05	....	....	....	....	....	....	.30	1.25	.27	....	....	5.25
Camden**	.. .do	....	T.	.01	....	....	....	....	....	.01	....	....	.55	2.16	T.	T.	....	.02	....	.01	.03	T	....	....	....	....	....	.93	1.01	....	....	....	4.23
Freehold	Raritan	....	....	....	....	....	....	....	....	.02	....	....	.03	1.95	.05	.03	....	.01	....	....	.18	T.	....	....	....	....	....	.42	1.43	.34	....	....	4.46
Hammonton	Mullica	....	....	....	....	....	.02	....	....	.03	....	....	.06	1.62	.26	T.	....	.07	....	....	.23	T.	T.	....	....	....	....	.43	2.25	.09	....	....	5.06
Hightstown	Raritan	....	....	.02	....	....	....	....	....	.03	....	....	.02	1.60	.14	.03	....	.02	....	T.	.06	T.	....	....	....	....	....	.22	.81	.29	....	....	3.24
Indian Mills	Mullica	....	....	.03	....	....	....	....	....	.03	....	....	.05	1.67	.24	.04	....	.07	....	....	.24	....	....	....	....	....	....	.27	2.10	.46	. ..	....	5.20
Lakewood	Metedeconk	....	....	.02	....	....	.02	....	....	.02	....	.. .	....	1.65	.10	T.	....	.02	....	...	.22	T.	....	....	....	....	....	.30	2.35	.10	....	....	4.80
Moorestown	Delaware	....	....	....	....	....	....	....	.04	....	....	....	1.09	1.18	.03	....	.02	....	....	.06	....	....	....	....	....	....	.08	1.24	.52	....	....	....	4.26
Northfield	Coast	....	....	..	....	....	.08	....	.02	.. .	....	....	T.	1.29	.06	T.	....	.03	....	T.	.18	....	....	....	....	....	....	.25	2.66	.17	....	....	4.74
N. Merchantville	Delaware	...	....	.02	....	.	T.	....	....	.02	....	....	.05	2.63	.09	T.	..	.05	....	T.	.06	T.	....	....	....	....	....	.35	.01	.10	...	....	4.38
Pemberton	Delaware	....	....	T.	....	....	....	....	....	.02	.. .	....	.05	1.40	.27	.04	....	.02	.	....	.11	T.	....	....	....	....	....	.38	1.34	.51	....	....	4.14
Pleasantville‖	Coast	....	....	..	....	....	.02	....	.. .	.05	T.	....	....	1.30	.13	....	.01	.04	....	....	.20	.01	....	....	....	....	....	.05	1.18	2.10	....	....	5.09
Runyon	Coast	....	....	....	....	....	....	....	....	....	....	....	....	1.84	.12	.03	....	....	....	....	.11	....	....	....	....	..	....	....	65	.12	....	....	2.87
Trenton***	Delaware	....	.01	T.	....	T.	....	....	....	.02	....	....	.26	1.58	T.	.02	....	.02	....	T.	.03	T.	....	....	....	....	T.	.25	1.35	....	....	....	3.54
Trenton No. 2**	....do	....	T.	.. .	..	....	....	....	....	.02	....	....	.27	1.90	T.	.06	....	T.	....	.03	.09	T.	....	....	....	....	T	.26	1.70	....	....	....	4.33
Tuckerton	Coast	....	.02	....	....	...	.05	....	....	.04	...	....	.01	1.61	.12	....	....	....	.02	....	....	....	....	....	....	....	....	.40	2.10	.72	....	....	5.09
Phila., Pa***	Delaware	....	.01	T.	....	T.	....	....	....	.01	...	....	.52	1.45	....	T	...	.01	....	.01	.01	T.	....	....	....	....	....	.37	1.05	....	....	....	3.44
The Sea Coast.																																	
Atlantic City***	Coast	....	T.	.02	....	T.	.02	....	....	.03	....	....	.43	.62	....	T.	. .	.01	.. .	.07	.17	....	....	....	....	....	....	.25	3.45	....	....	....	5.07
Long Branch**	....do	....	.02	....	....	.01	.02	....	....	.01	....	....	.14	1.37	....	T.	....	T.	....	.04	.19	.01	....	....	....	....	....	.26	2.72	.01	....	....	4.80
Sandy Hook***	....do	....	T.	....	....	T.	....	....	....	T.	....	....	.09	1.65	....	T.	....	.01	....	.02	.17	.01	....	....	....	....	....	.17	1.41	....	....	....	3.53

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.088	.048	.140	.064	.064	.032	.048	064	.046	.128	.096	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	... .
	Wind movement	22	23	69	28	13	25	21	34	63	56	28	7	67	36	15	25	20	20	25	3	23	25	29	11	13	12	10	8	44	31	....	806
Pleasantville**	Evaporation	.080	.128	.128	.064	.020	.096	.080	.130	.144	.096	.080	.052	.002	.112	.074	.008	.032	....	.008	.010	*	*	*	*	*	.450	*	.000	.032	.032	....	1.922
	Wind movement	91	65	70	24	66	51	65	134	60	100	56	87	99	54	62	24	58	58	58	67	62	*	*	*	*	*	312	108	76	27	....	1934
Runyon	Evaporation	.060	.080	.080	.060	.060	.080	.080	.080	.065	.060	.060	.040	.040	.020	.000	.060	.060	.060	.030	.010	....	.. .	....	....	....	....	....	....	....	....	....	....
	Wind movement	39	17	23	35	49	36	66	64	56	90	45	42	85	27	19	18	22	27	32	24	41	51	23	16	26	17	22	24	25	13	....	1074

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for November, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	53	64	59	52	53	52	58	65	64	65	55	48	63	65	50	49	45	42	36	38	40	34	40	45	53	51	54	63	63	48	....	52.2
	Minimum	26	35	39	29	25	34	25	32	52	34	27	24	41	42	40	36	35	33	30	32	27	21	22	20	24	30	42	42	34	26	....	32.0
Charlotteburg	Maximum	55	64	60	53	52	54	60	66	65	66	63	46	50	62	55	54	59	....	39	44	38	39	35	46	58	60	63	60	61	50	....	54.3ᵃ
	Minimum	22	29	29	29	18	34	22	33	39	40	25	16	41	45	40	33	33	32	28	32	27	23	22	23	21	26	43	48	36	30	....	30.6
Dover	Maximum	51	62	53	52	51	50	58	63	62	65	48	46	60	60	47	48	45	42	35	35	38	35	39	45	56	52	52	62	....	48	....	50.3ᵃ
	Minimum	25	34	37	29	22	32	24	34	42	37	26	21	41	46	39	34	34	29	29	32	26	23	23	26	25	31	45	47	33	29	....	31.8
Layton	Maximum	55	61	52	53	50	49	60	69	62	67	55	48	62	58	50	51	55	47	35	36	39	33	39	46	59	53	53	62	62	50	....	52.4
	Minimum	20	29	36	28	19	30	21	29	51	29	25	15	37	43	36	32	30	30	27	31	25	22	21	13	13	25	40	46	30	23	....	28.5
Long Valley	Maximum	54	62	46	54	54	50	62	66	65	65	42	46	60	60	46	50	44	44	36	36	36	32	38	42	56	54	54	65	45	60	....	50.5
	Minimum	24	36	34	24	22	32	32	36	54	32	24	24	50	42	42	30	34	26	26	28	24	16	16	20	26	32	46	60	30	26	....	31.3
Newton	Maximum	54	58	57	52	51	48	58	57	60	63	50	45	61	61	52	58	42	40	34	34	38	36	32	37	40	55	53	61	62	46	....	49.8
	Minimum	28	35	37	29	30	35	29	39	51	35	25	23	36	47	37	34	34	30	28	30	32	25	23	22	22	24	43	45	34	30	....	32.4
Phillipsburg	Maximum	51	63	55	50	53	52	57	64	63	63	46	48	62	60	49	50	45	42	35	39	39	35	39	44	52	51	50	63	55	49	....	50.8
	Minimum	29	36	39	29	26	34	29	34	49	34	28	26	45	43	42	37	37	31	31	32	29	25	23	26	20	31	43	50	34	28	....	33.3
Sussex	Maximum	52	62	60	61	50	49	57	63	60	65	61	45	61	59	57	49	48	43	37	36	38	34	36	43	63	52	53	63	61	48	....	51.5
	Minimum	25	32	38	29	23	35	26	36	52	36	26	20	36	47	38	35	33	33	28	32	27	24	21	20	18	26	36	44	36	28	....	31.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	54	63	48	53	63	51	58	65	62	65	47	54	60	62	48	50	47	43	36	38	40	35	40	46	58	52	64	62	48	49	....	51.4
	Minimum	25	31	31	28	23	25	25	30	38	41	28	21	24	51	41	37	35	36	32	32	30	27	18	20	23	24	33	46	39	29	....	30.8
Canoe Brook§§	Maximum	55	64	60	54	55	58	60	66	64	64	46	59	60	63	49	51	45	45	37	37	40	38	42	47	66	53	57	62	48	51	....	52.9
	Minimum	20	33	38	21	18	31	21	30	44	30	18	15	29	45	35	31	30	33	23	30	27	20	15	14	16	27	37	45	34	22	....	27.7
Elizabeth	Maximum	55	62	63	....	58	49	52	61	60	58	55	49	60	58	52	45	45	44	39	36	35	35	39	47	....	48	52	62	61	....	....	51.1ᶜ
	Minimum	28	34	40	26	25	35	26	34	53	33	26	29	44	46	37	31	34	34	28	33	27	20	18	19	23	28	44	47	35	25	....	32.1
Flemington	Maximum	58	67	61	57	55	57	62	67	67	69	58	50	64	67	56	54	50	47	40	38	43	40	47	48	63	55	52	64	63	55	....	55.8
	Minimum	28	33	38	28	24	37	26	32	55	38	28	24	43	49	42	38	35	34	29	33	28	26	22	25	20	32	45	49	35	26	....	33.4
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Lambertville (near)	Maximum	62	65	60	62	59	58	56	66	64	63	61	50	63	63	46	50	45	43	40	36	38	40	40	42	68	57	55	62	62	54	....	54.0
	Minimum	35	34	31	30	29	29	30	40	45	45	32	28	44	36	32	36	28	28	30	30	26	26	25	20	34	39	39	48	40	28	....	33.2
Little Falls§§	Maximum	57	66	50	56	56	61	61	69	65	68	47	59	64	65	49	51	47	45	38	39	42	37	43	48	61	56	59	63	60	52	....	54.1
	Minimum	26	34	40	30	25	37	26	34	48	38	27	22	38	49	40	35	35	36	30	32	28	26	20	22	25	30	40	46	38	28	....	32.8
Newark	Maximum	54	66	52	55	56	53	60	69	65	64	44	51	62	63	49	51	47	45	39	38	40	37	42	42	58	53	55	62	56	51	....	52.6
	Minimum	35	40	37	31	33	36	34	40	56	40	32	29	47	47	42	37	39	33	31	35	30	26	23	26	28	37	46	49	34	30	....	36.1
New Brunswick	Maximum	53	65	62	52	56	53	59	67	65	64	59	50	63	62	56	51	45	43	38	37	40	35	42	43	61	51	51	63	63	50	....	53.3
	Minimum	28	38	40	28	28	38	28	39	56	40	29	29	45	50	41	36	37	33	30	34	28	25	21	22	25	35	46	48	37	28	....	34.7
Paterson	Maximum	53	65	63	54	55	52	60	66	64	67	61	49	62	64	58	51	46	46	39	36	40	36	40	47	59	56	58	54	48	43	....	53.1
	Minimum	33	36	40	34	30	40	30	39	55	39	30	29	43	51	40	36	38	36	31	33	29	26	24	28	31	36	32	31	27	29	....	34.5
Plainfield	Maximum	54	66	52	56	57	65	61	69	66	66	54	51	62	63	51	54	47	47	38	38	42	38	45	46	58	57	55	63	63	53	....	54.2
	Minimum	28	35	39	29	26	39	29	37	52	36	30	29	46	44	40	37	36	34	30	35	29	25	21	21	25	30	46	50	34	27	....	34.0
Ridgefield	Maximum	52	64	52	53	55	53	60	66	65	64	43	49	62	63	48	51	45	45	38	36	39	35	39	45	56	51	55	61	54	51	....	51.7
	Minimum	29	38	36	33	33	34	33	43	46	39	29	27	44	45	40	37	38	31	31	33	29	25	23	25	30	36	46	50	34	32	....	35.0
Somerville	Maximum	53	66	56	53	55	54	60	65	64	63	53	50	62	62	52	51	45	46	36	36	40	37	43	48	57	53	51	62	61	61	....	52.6
	Minimum	29	39	36	27	30	31	28	41	53	35	23	25	43	48	40	32	35	28	28	31	28	23	19	23	26	36	40	47	34	27	....	32.8
New York, N. Y	Maximum	53	64	52	56	56	51	57	66	63	62	44	52	60	62	64	51	46	45	43	43	40	36	41	47	55	54	56	60	55	50	....	52.5
	Minimum	37	45	40	35	40	41	40	48	48	42	32	37	48	52	41	38	40	34	32	34	28	27	27	30	32	41	50	52	36	35	....	38.7
The Southern Interior.																																	
Belleplain	Maximum	....	69	63	58	60	56	63	70	71	67	60	56	65	65	57	53	60	49	51	49	41	41	42	49	55	62	57	63	66	67	....	57.8ᵃ
	Minimum	28	32	41	23	23	40	34	42	55	30	31	30	52	40	39	33	38	30	23	36	23	23	14	15	20	30	49	52	34	23	....	32.8
Bridgeton	Maximum	59	69	59	56	59	56	65	71	67	68	52	55	64	67	48	54	48	44	50	42	39	37	42	43	57	62	56	63	62	....	....	65.7ᵃ
	Minimum	32	38	40	28	30	38	32	41	46	36	32	33	54	44	42	34	38	32	28	34	26	25	23	23	23	35	46	54	35	28	....	35.0
Burlington	Maximum	54	67	62	54	58	51	62	70	69	67	58	53	65	62	58	52	48	44	43	42	38	38	42	47	57	58	52	64	68	53	....	55.0
	Minimum	30	36	40	28	28	41	28	35	58	36	31	33	42	49	40	38	40	34	30	35	28	27	20	25	22	36	43	44	50	27	....	35.1
Camden	Maximum	54	68	54	56	57	56	60	68	68	69	48	53	65	66	50	53	45	42	46	42	40	38	43	50	58	58	53	65	55	55	....	54.5
	Minimum	36	39	38	34	30	33	32	40	52	40	33	33	54	45	43	40	42	34	34	34	28	29	25	29	26	39	46	55	34	30	....	36.9
Freehold	Maximum	54	66	61	51	58	55	59	69	64	64	55	51	62	61	52	51	45	44	43	40	39	37	40	45	56	57	53	63	63	52	....	53.7
	Minimum	28	35	42	29	29	39	39	40	54	40	26	28	49	50	42	35	38	31	30	30	28	24	22	22	28	37	46	60	37	29	....	35.2
Hammonton	Maximum	68	69	65	54	61	60	59	72	68	63	57	51	65	62	60	60	50	44	62	46	39	36	42	47	49	57	57	63	64	51	....	55.7
	Minimum	28	35	40	29	29	39	28	42	55	35	29	29	50	45	38	32	39	31	27	36	25	23	19	21	21	37	47	53	35	26	....	34.1
Hightstown	Maximum	54	65	61	52	58	54	59	68	64	64	56	50	64	61	54	51	46	44	41	38	39	37	41	44	55	55	52	64	62	51	....	53.6
	Minimum	28	37	39	29	30	39	27	38	53	37	28	27	46	46	40	33	38	32	28	35	28	25	20	23	27	34	44	50	36	28	....	34.2
Indian Mills	Maximum	57	68	63	54	59	55	63	71	69	63	58	54	65	65	58	58	48	43	50	44	39	38	40	58	61	60	56	63	61	56	....	56.2
	Minimum	28	33	41	25	28	39	25	35	55	30	30	27	50	44	37	31	37	32	25	36	26	21	15	16	18	30	45	53	36	24	....	32.4
Lakewood	Maximum	56	68	61	53	60	56	64	69	67	66	56	52	61	64	54	54	46	45	48	42	41	39	44	48	59	60	54	62	62	55	....	55.5
	Minimum	28	33	41	28	25	38	26	36	55	36	28	28	51	48	38	32	37	32	28	37	29	25	22	22	27	33	45	51	37	27	....	34.1
Moorestown	Maximum	54	66	48	52	57	55	61	69	66	65	46	53	63	63	50	51	45	43	45	38	39	37	41	46	57	57	55	65	44	53	....	52.8
	Minimum	32	39	38	30	29	40	32	41	50	40	29	31	50	44	42	37	38	31	30	33	28	25	22	26	26	38	47	55	38	30	....	35.7
N. Merchantville	Maximum	57	68	61	53	58	56	62	69	67	68	56	53	65	65	54	53	47	44	45	42	39	38	42	47	58	57	59	64	63	55	....	55.5
	Minimum	34	40	40	32	33	42	34	42	57	40	32	32	47	48	44	39	40	35	32	36	28	28	24	27	27	38	46	52	38	31	....	37.3
Pemberton	Maximum	56	68	62	54	59	57	63	72	67	66	66	53	65	64	51	53	48	46	47	42	41	40	43	48	58	60	55	64	63	54	....	56.2
	Minimum	31	38	40	28	29	39	29	38	55	35	31	30	49	47	40	35	39	32	29	36	28	26	19	22	23	36	46	52	37	27	....	34.9
Pleasantville§§	Maximum	56	64	52	53	57	58	62	63	69	68	50	60	65	65	52	54	55	44	52	40	40	39	42	49	59	58	61	62	48	54	....	55.0
	Minimum	30	30	42	25	21	40	22	38	38	32	31	31	32	44	37	31	38	31	24	34	24	20	14	18	17	24	42	50	35	22	....	30.6
Runyon	Maximum	64	68	70	68	64	64	61	68	70	72	69	60	62	63	63	50	54	53	50	48	38	43	42	38	53	54	57	64	66	45	....	58.0
	Minimum	20	18	22	34	20	16	19	24	34	30	32	38	38	40	52	30	28	26	32	34	28	22	22	10	18	24	28	41	36	17	....	27.8
Trenton	Maximum	52	66	53	53	56	54	60	68	65	65	46	51	65	62	50	51	46	42	41	38	39	36	41	45	58	56	52	64	46	52	....	52.4
	Minimum	34	40	38	32	34	39	35	42	49	43	31	33	49	49	42	39	39	32	30	33	29	27	26	27	28	39	46	52	37	32	....	36.9
Trenton No. 2	Maximum	54	66	56	53	57	56	60	69	65	65	48	52	65	64	51	52	47	45	41	39	39	39	42	45	58	56	52	64	56	58	....	53.6
	Minimum	30	40	37	31	34	33	31	38	52	40	29	29	47	43	39	37	39	31	31	32	28	26	24	25	27	39	45	50	34	29	....	35.0
Tuckerton	Maximum	57	65	58	55	55	60	55	70	68	68	60	55	62	70	55	55	50	50	55	50	40	40	45	48	60	60	55	62	60	58	....	56.7
	Minimum	32	45	38	28	32	45	45	50	54	48	32	32	48	50	40	35	40	35	30	38	25	28	20	21	25	40	46	46	38	32	....	37.1
Philadelphia, Pa	Maximum	54	65	53	63	55	54	60	68	66	65	47	52	64	63	50	51	46	43	44	41	39	37	43	48	56	57	55	63	57	58	....	53.4
	Minimum	39	43	38	33	37	43	38	46	52	46	33	36	51	48	44	40	39	35	34	34	27	29	29	29	31	41	47	55	38	36	...	39.0
The Sea Coast.																																	
Atlantic City	Maximum	51	61	56	52	56	56	60	61	68	65	49	55	62	65	52	53	47	45	51	44	40	38	43	50	55	54	54	61	53	52	....	53.6
	Minimum	37	51	36	35	45	42	42	55	50	43	34	46	54	49	44	40	38	33	35	31	28	27	26	28	34	46	51	63	38	37	....	40.3
Long Branch	Maximum	50	69	52	52	56	54	62	64	66	66	48	53	59	63	50	52	45	45	44	41	40	38	41	46	58	60	54	60	56	53	...	53.2
	Minimum	31	42	35	30	34	36	33	45	50	43	34	33	52	47	39	36	39	31	31	33	28	25	23	26	27	40	50	54	33	29	....	36.8
Sandy Hook	Maximum	50	65	53	52	54	53	58	63	62	61	47	60	59	60	61	51	46	44	42	42	41	38	41	44	54	53	51	59	54	50	....	51.6
	Minimum	40	45	41	38	41	42	39	49	49	44	36	41	50	50	48	40	43	36	35	36	31	30	30	31	35	41	47	49	39	38	....	40.2

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

Vol. XLII. December, 1937. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps). payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average precipitation for the State for this December was considerably below the normal, in fact there have been only four years since 1885 when a lower December average occurred, these being 1889, 1896, 1928 and 1935. The precipitation, which was mostly in the form of rain, fell on the 6-7th, 16-18th, 24-25th, 28-29th and 31st. The snowfall during the month was negligible, the northern section of the State receiving amounts varying from one to three inches, whereas the stations in the southern half, with a few exceptions, recorded merely a trace. The various subdivisions experienced the following percentages of their normal amount of precipitation: Highlands, 66%; Red Sandstone Plain, 56%; Southern Interior, 33%; Sea Coast, 34%; The State, 48%.

As far as temperature was concerned the mean was slightly below the normal figure, and there were no particular periods of either exceptionally warm or cold weather other than from the 9th to 15th, during which period the recorded minima were nearly all below the 10 degree mark. The highest for the month occurred at all stations on the 18th and ranged from 49 to 70 degrees, mostly being in the low sixties except in the northern areas where they were all in the fifties.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 33.2°, which was 0.5° below normal. The highest temperature was 70° at Bridgeton on the 18th, and the lowest, 0° at Runyon on the 11th and 12th. The greatest daily range of temperature was 37° at Belleplain and Pleasantville on the 21st and 30th, repectively. The highest monthly mean temperature was 37.2° at Atlantic City, and the lowest, 28.2° at Layton.

The temperature departure from the normal for the year 1937, to date, by sections, is: The Highlands, +1.2°; Red Sandstone Plain, +1.4°; Southern Interior, +1.3°; Sea Coast, +2.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 1.75 inches, which was 1.90 inches below normal. The average total snowfall at 20 selected stations was 0.6 inch, which was 5.1 inches below normal. The greatest monthly precipitation was 2.83 inches, at Sussex, and the least, 0.86 inch at Bridgeton. The greatest amount of precipitation in any 24 consecutive hours was 1.10 inches at Sussex on the 18th.

The precipitation accumulated departure from the normal for the year 1937, to date, by sections, is: The Highlands. +5.09 inches; Red Sandstone Plain, +2.62 inches; Southern Interior, +1.20 inches; Sea Coast, —1.91 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 6, 18.

Sleet: 15, 16, 24, 25, 27, 28, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.15	30.59	27	29.39	6	14.1	36	w.	7	73	61	63	52
Long Branch	30.13	30.57	29	29.31	7	12.1	40	nw.	7	70	56	59	50
Ridgefield	30.13	30.57	29	29.30	7		....	......	....	....	....	....	....
Sandy Hook	30.12	30.58	29	29.46	18	15.1	41	w.	7	70	64	67	46
Trenton	30.14	30.62	29	29.39	7	8.4	23	w.	7	70	54	60	41

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	41.5	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	7.30	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	21.1	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	72	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	0	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	24.8	54	−21	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	72	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	87.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	13	6	12
Period	33.7	72	−21	3.65	5.7	9	12	9	10

Climatological Data for December, 1937

Stations	Counties	Elevation. feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in Inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	30.8	0.0	50	18	10	11	21	2.34	−1.57	0.68	1.5	6	16	6	9	...	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	45	31.4	+1.3	58	18†	5	11	28	2.43	−1.57	0.64	3.0	7	17	1	13	w.	Newark Water Dept
Culvers Lake‡‡	Sussex	848	36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mrs. Frances Grover.
Dover	Morris	600	53	30.6	+0.5	57	18	9	11	23	2.36	−1.82	0.55	2.0	8	7	13	11	...	William C. Harris
Layton....(near)	Sussex	480	36	28.2	+0.1	49	18	2	10†	36	2.35	−1.02	0.72	2.2	7	8	4	19	sw.	A. M. Depue.
Long Valley	Morris	660	6	29.8	...	54	18	6	10†	26	2.58	...	0.81	2.0	6	19	8	4	e.	James E. Rice.
Newton	Sussex	769	54	29.5	−0.7	53	18	8	12	25	2.19	−1.22	0.77	3.4	8	11	4	16	sw.	Irving J. Kern.
Phillipsburg	Warren	363	§54	32.2	+0.7	54	18	12	11	19	2.07	−1.36	0.48	1.0	7	12	6	13	...	Town Engineer.
Sussex	Sussex	442	42	29.3	−0.6	51	18	8	11	29	2.83	−0.14	1.10	1.0	7	14	4	13	...	A. J. W. Mowatt
Means and extremes	...	...	...	30.2	+0.2	58	18†	2	10†	36	2.39	−1.24	1.10	2.0	7	13	6	12	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§47	31.1	+1.8	58	18	10	10†	26	2.17	−1.58	0.68	...	8	11	2	18	nw.	John Kline.
Canoe Brook	Essex	173	7	29.7	...	62	18	4	12	32	2.03	...	0.44	...	7	14	5	12	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	33	...	...	...	...	...	...	...	2.24	−1.93	0.50	...	8	14	8	9	...	Paul Molitor, Sr.
Elizabeth	Union	45	58	32.8	−0.8	64	18	10	12†	31	2.01	−1.91	0.61	0.3	8	15	3	13	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§51	33.4	+0.9	63	18	11	11	27	2.10	−1.56	0.54	1.5	7	17	7	7	nw.	Hiram E. Deats
Jersey City	Hudson	123	39	...	...	...	...	...	...	...	1.85	−1.80	0.61	0.5	8	12	6	13	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm. J. Lauderdale.
Little Falls	Passaic	180	§34	32.6	−0.2	61	18	11	11†	29	2.37	−1.57	0.47	1.4	8	15	8	8	w.	Passaic Valley Water Co
Newark	Essex	10	2	34.1	+0.7	64	18	15	13	25	1.72	−2.24	0.59	T.	7	11	4	16	...	U. S. Weather Bureau.
New Brunswick	Middlesex	110	84	33.0	−0.4	65	18	11	11	28	1.08	−2.46	0.48	T.	6	13	9	9	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	19	...	...	...	...	...	...	...	2.33	−0.67	0.65	...	8	...	...	...	...	Hackensack Water Co
Paterson	Passaic	180	67	34.8	+1.4	62	18	16	12	27	2.81	−1.04	0.70	1.5	8	12	9	10	nw.	E. Stanulis, Evening News
Plainfield	Union	120	49	33.4	+0.6	62	18	13	11	26	1.83	−2.04	0.57	0.6	7	12	6	13	nw.	S. K .Pearson.
Ridgefield	Bergen	80	20	32.8	+1.5	61	18	15	12†	21	2.18	−1.63	0.62	1.1	7	10	11	10	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	54	32.8	+0.3	60	18	10	12	30	1.96	−1.75	...	...	...	16	9	6	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	19	...	...	...	...	...	...	...	2.45	−0.54	0.65	...	8	...	...	...	...	Hackensack Water Co.
New York, N.Y	...	10	67	35.4	+0.4	62	18	18	13	24	1.95	−1.67	0.62	0.4	8	10	7	14	nw.	U. S. Weather Bureau.
Means and extremes	...	...	...	32.8	+0.6	65	18	4	12	32	2.08	−1.62	0.70	0.8	8	13	7	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	43	36.8	+1.7	68	18	6	11	37	0.99	−3.01	0.52	0.5	5	10	11	10	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	54	35.0	−1.1	70	18	16	11†	35	0.86	−2.84	0.52	T.	6	13	8	10	nw.	Bennett K. Matlack
Burlington	Burlington	12	§51	34.8	−0.1	65	18	13	11	26	2.00	−1.95	0.60	T	7	8	7	16	nw.	Public Service G. & E. Co.
Camden	Camden	20	5	35.2	...	64	18	17	11	23	1.30	...	0.47	T.	5	14	2	15	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶33	33.1	...	65	18	12	12	30	1.67	−2.05	0.65	T.	7	18	6	7	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§31	35.2^{c}	...	69	18	12	12†	29	0.89	−3.09	0.40	0.1	6	12	8	11	w.	J. G. Wilson.
Hightstown	Mercer	110	44	32.8	−0.1	64	18	12	12	25	1.31	−2.23	0.36	0.1	7	12	9	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	48	34.2	+0.2	68	18	7	11	29	1.22	−2.89	0.43	T	8	9	12	10	nw.	James M. Armstrong.
Lakewood	Ocean	54	33	34.2	+0.3	68	18	9	11	27	1.58	−2.61	0.55	T.	6	10	6	15	nw.	R. W. Holman.
Moorestown	Burlington	62	74	34.6	+0.9	64	18	14	11	25	0.94	−2.83	0.39	T.	6	10	9	12	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	30	...	...	...	...	...	...	...	1.05	−2.72	0.43	0.2	8	...	...	...	...	William L. Flick.
N. Merchantville	Camden	63	...	35.6	...	65	18	17	11	25	1.21	...	0.49	T.	7	9	6	16	nw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	7	34.0	...	65	18	12	11	27	0.92	...	0.35	T.	7	16	3	12	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§39	33.4	−1.9	64	18	6	11	37	1.43	−2.50	0.55	...	12	14	8	9	nw.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	14	31.0	−1.2	66	18	0	11†	34	1.79	−1.55	0.61	...	6	20	9	2	w	N. J. Water Policy Comm.
Trenton	Mercer	56	65	34.2	−0.2	65	18	16	14	26	1.14	−2.21	0.37	T.	7	9	5	17	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	7	34.0	...	66	18	14	12	28	1.41	...	0.41	T.	6	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	44	36.9	+1.7	60	19	9	13	28	0.91	−3.42	0.41	T.	8	19	2	10	n.	John H. Brown.
Philadelphia, Pa	...	26	66	36.0	−0.3	64	18	18	12	22	1.05	−2.38	0.37	T.	6	8	8	15	nw.	U. S. Weather Bureau.
Means and extremes	...	...	...	34.4	0.0	70	18	0	11†	34	1.26	−2.56	0.65	0.1	7	13	7	11	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	64	37.2	+0.8	58	18	16	12	20	1.28	−2.66	0.52	0.5	9	9	8	14	w.	U. S. Weather Bureau.
Long Branch	Monmouth	25	29	34.6	+0.4	68	18	13	12	26	1.60	−2.55	0.52	T.	7	10	7	14	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	39	35.8	+0.6	61	18	20	13	21	1.26	−2.78	0.44	T.	7	10	6	15	w.	U. S. Weather Bureau.
Means and extremes	...	...	...	35.9	+0.6	68	18	20	12	26	1.38	−2.66	0.52	0.2	8	10	7	14	w	
For the State	...	...	...	33.2	−0.5	70	18	0	11†	37	1.75	−1.90	1.10	0.6	7	13	6	12	nw	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Uniontown; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-2-4-38-900

Daily Precipitation for December, 1937

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware						.62										.26	.30	.68						.24				.24				2.84
Charlotteburg	Passaic						.58										.42	.28	.64						*	.38			.13				2.43
Culvers Lake	Delaware																																
Dover	Passaic						.55										.34	.37	.45			T.		T.	*	.39			.15			.11	2.36
Layton	Delaware						.57	T.									.37	.43	.72			T.			*	.11			.15				2.85
Long Valley	Raritan						.55	T.								T.	*	.65	.81							.35			.22				2.58
Newton	Delaware						.48	T	T.							.01	.35	.36	.77				T.		.11	.07			.04			T.	2.19
Phillipsburg	...do						.41	T.		T.						T.	.25	.42	.48		T	T.			.21			T.	.19			.11	2.07
Sussex	Hudson						49	T.						T		T.	.60	.40	1.10						*	.14			.10				2.83
The Red Sandstone Plain.																																	
Boonton ||	Passaic						.31	.18	T.								.35	.23	.68							.31			.10	.01			2.17
Canoe Brook ||	...do						.40	.18	T.								.32	.12	.44			T.				.43			.14				2.03
Chatham ||	...do						.28	.25									.35	.16	.47							.50			.14	.09			2.24
Elizabeth	Coast		T.				.61	T.									.35	.20	.40			T.			.10	.16			.17			.02	2.01
Flemington	Raritan						.54	T.									.25	.21	.43			T.			.14	.29			.24				2.10
Jersey City	Coast						.61	T							T.	T.	.35	.24	.28			T.			.10	.15			.10			.02	1.85
Lambertville	Delaware																																
Little Falls ||	Passaic						.45	.26									.38	.26	.47							.38			.16	.01			2.37
Newark***	Coast						.59	T.	T.							T.	.30	.41	.10		T.	T.	T.		.20	T		T.	.11			.01	1.72
New Brunswick	Raritan						.48	T.									.02	.03	.30			T.			T.	.02			.23			T	1.08
New Milford**	Hackensack						.65										.44	43	.35						.31	.03			.05			.07	2.33
Paterson	Passaic						.70	.03						T.			.41	.31	.54						.14	.29			.39			T.	2.81
Plainfield	Raritan						.57	T.	T.						T.		.25	.30	.31			T.			.15	.08			.17			T.	1.83
Ridgefield**	Hackensack						.62	T.	T.								.45	*	.64			T.			.32				.10			.05	2.18
Somerville	Raritan																																1.96
Woodcliff Lake**	Hackensack						.65										.46	.40	.41						.30	.06			.06			.11	2.45
New York, N. Y***	Coast						.62	T.							T.	T.	.40	.34	.12			T			.31			.02	.09			.05	1.95
The Southern Interior.																																	
Belleplain	Tuckahoe						.52		T.	.05							T.	T.	T.					T.	.20	.10		.12					0.99
Bridgeton	Delaware						.52		T.							T.	.04	.02	.03					.05	.20								0.86
Burlington	Delaware						.45		T.								.60	.02	.29			T.			.40	.10			.14				2.00
Camden**	..do						.47		T.							T.	.13	.40	T.			T.			.19			T.	.11				1.30
Freehold	Raritan						.65	T.	T.								.30	.05	.20						.10	.11			.26			T.	1.67
Hammonton	Mullica						.40	T.	T								.06	T.	.06			T.		.02	.19	.16							0.89
Hightstown	Raritan						.36	T.	T.							T.	.23	.05	.23			T.			.06	.13			.25				1.31
Indian Mills	Mullica						.43		T								.12	.04	.07						.20	.18			.14	.04			1.22
Lakewood	Metedeconk						.56		T								.30	T.	.20			T			.15	.18			.25				1.58
Moorestown	Delaware					.39										.12	.11								.20		.10					.02	0.94
Northfield	Coast						.43	T.	.02	.03							.01	T.	.05			T			.32	.10			.09				1.05
N. Merchantville	Delaware						.49		T.							T.	.17	.02	.24			T		T.	.09	.10			.10				1.21
Pemberton	Delaware						.35		T.							T.	.20	.02	.09			T.			.05	.09			.12				0.92
Pleasantville ||	Coast						.32	.17	.02	.12							.03	.01	.09			.02	T.	.05		.55			.02	.03			1.43
Runyon	Coast						.61										.28	.11	.30							.25			.24				1.79
Trenton***	Delaware						.37	T.	T							.03	.12	.33	.01			T.			.11			T.	.17			T.	1.14
Trenton No. 2**	...do						.41	T.	T.							T.	.22	.36	.10			T			.12			T.	.20			T.	1.41
Tuckerton	Coast						.10		T.	T							.11	.01	.04			T		.02	.12	.41			.10				0.91
Phila., Pa***	Delaware					T	.35	T.	T.							T	.02	.37	T.			.01	T.		.19			T.	.11			T.	1.05
The Sea Coast.																																	
Atlantic City***	Coast					T.	.47	T.	.02	.05							.03	.01	.08		T.	T	.02		.52	T.			.08			T.	1.28
Long Branch**	...do						.52	T.	T.							T	.34	.20	.05			T.			.27	.01		T.	.21			T.	1.60
Sandy Hook***	...do						.44	T.	T.								.15	.31	.04			T.			.18			T.	.12			.02	1.26

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. || Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation																																
	Wind movement																																
Pleasantville**	Evaporation																																
	Wind movement																																
Rnnyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for December, 1937

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	39	32	41	40	44	39	35	32	32	24	24	24	25	25	31	39	40	50	43	37	47	47	42	39	42	41	40	45	43	39	48	37.7
	Minimum	22	23	20	19	26	32	24	19	15	12	10	11	13	13	15	30	29	37	35	30	27	31	30	31	30	26	26	30	26	20	32	24.0
Charlotteburg	Maximum	45	42	40	45	50	47	37	32	37	30	27	28	29	30	36	39	41	58	58	47	50	50	46	41	44	44	40	34	37	41	36	40.7
	Minimum	21	22	19	17	25	41	22	17	11	14	5	8	10	13	18	28	37	39	33	28	22	22	33	14	29	29	25	23	25	15	18	22.0
Dover	Maximum	42	36	39	34	46	42	36	32	32	29	28	29	23	31	36	39	41	57	46	38	34	49	44	34	44	43	38	35	36	42	36	37.8
	Minimum	25	23	21	18	26	36	22	18	15	12	9	10	12	15	20	29	34	36	33	29	27	29	25	18	31	29	29	28	21	19	29	23.5
Layton	Maximum	42	38	42	46	46	38	39	34	33	28	27	30	22	32	36	38	38	49	39	39	36	50	45	30	43	45	38	32	36	43	37	37.8
	Minimum	16	15	11	10	19	31	24	17	12	2	2	2	6	10	16	29	30	35	32	29	22	27	21	13	27	24	16	27	18	13	22	18.7
Long Valley	Maximum	40	34	34	44	45	46	32	34	26	28	26	26	24	28	36	42	42	54	42	42	42	50	42	32	43	42	40	40	34	43	40	37.8
	Minimum	20	22	16	18	28	32	22	18	12	6	6	6	10	10	20	26	34	32	32	28	28	26	31	16	30	26	24	24	24	24	23	21.7
Newton	Maximum	43	35	40	43	43	38	34	31	31	27	25	27	21	29	36	38	40	53	40	36	35	33	48	42	41	42	40	32	35	42	35	36.6
	Minimum	24	21	18	19	28	32	22	17	13	13	13	8	13	13	16	28	32	35	33	27	26	25	26	17	27	29	28	23	24	21	24	22.4
Phillipsburg	Maximum	41	37	37	41	43	39	38	34	34	29	27	30	25	32	35	43	43	54	43	38	36	50	44	33	42	43	40	36	37	44	39	38.3
	Minimum	26	27	27	22	28	35	24	20	17	14	12	15	17	16	20	31	32	39	33	32	30	33	28	23	32	30	24	32	27	26	34	26.0
Sussex	Maximum	41	36	38	45	44	36	36	32	32	30	27	27	24	29	34	37	40	51	50	35	33	48	44	31	42	42	41	35	35	39	36	37.1
	Minimum	21	20	15	16	26	31	24	18	15	10	8	9	9	15	17	28	31	35	34	27	24	27	29	17	27	24	22	27	19	14	28	21.5
The Red Sandstone Plain.																																	
Boonton§§	Maximum	44	37	40	46	47	42	33	35	29	31	29	30	25	32	39	42	41	58	48	39	35	48	41	36	46	44	39	37	36	44	36	39.0
	Minimum	22	24	24	20	21	32	29	21	21	10	10	10	14	15	18	26	32	35	31	30	28	25	31	18	22	25	22	24	29	20	31	23.2
Canoe Brook§§	Maximum	47	37	42	45	48	41	32	36	30	32	30	31	27	39	41	42	40	62	46	41	38	50	43	34	47	45	40	41	33	40	36	40.0
	Minimum	17	18	22	13	24	30	24	18	18	7	5	4	5	10	16	25	29	34	22	24	26	22	35	13	22	20	17	17	20	15	29	19.4
Elizabeth	Maximum	42	36	38	40	40	41	41	35	35	34	30	32	28	34	41	44	42	64	57	47	36	56	47	38	47	47	41	39	39	41	42	41.1
	Minimum	24	28	25	20	28	37	25	20	20	12	11	10	11	10	19	29	33	38	29	27	28	25	35	24	31	25	23	30	27	22	32	24.5
Flemington	Maximum	48	38	42	47	47	42	39	36	34	36	33	34	29	36	43	50	41	63	53	43	37	52	47	37	45	47	42	37	42	43	40	42.0
	Minimum	25	26	22	20	27	35	25	20	18	12	11	12	15	15	20	30	32	37	30	30	30	26	35	22	32	27	27	32	26	22	32	24.9
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lambertville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Little Falls§§	Maximum	47	37	42	48	48	42	33	37	32	34	30	32	28	35	41	42	42	61	47	43	38	52	43	47	47	47	41	37	41	44	36	41.1
	Minimum	24	25	23	19	28	33	25	20	20	12	11	11	14	17	20	28	30	35	28	28	28	28	36	21	26	23	26	29	27	20	31	24.1
Newark	Maximum	47	37	41	44	46	44	36	36	37	32	30	30	26	34	39	45	41	64	47	41	36	50	46	37	48	46	41	36	39	41	38	40.5
	Minimum	32	30	25	26	33	38	28	22	22	19	16	15	15	15	21	31	37	39	35	33	29	30	29	25	35	31	28	31	30	26	33	27.7
New Brunswick	Maximum	44	38	42	44	46	40	39	32	34	32	27	29	30	33	39	46	40	65	59	40	35	40	45	41	45	45	40	37	35	40	37	40.0
	Minimum	37	27	25	23	28	37	26	20	19	13	11	12	13	13	20	30	33	38	31	30	30	26	34	22	32	28	27	32	29	24	32	25.9
Paterson	Maximum	45	49	40	44	46	44	47	37	37	32	32	31	32	34	37	48	45	62	59	44	39	50	50	34	46	45	40	41	39	42	39	42.3
	Minimum	27	30	25	24	32	38	27	22	22	19	17	16	18	18	17	31	35	37	32	33	29	30	33	23	32	31	31	31	31	26	32	27.4
Plainfield	Maximum	48	37	44	47	48	42	38	35	30	33	31	32	27	35	40	44	43	62	48	43	36	50	45	35	47	45	42	35	39	41	38	40.6
	Minimum	25	29	26	21	28	38	27	20	24	14	13	14	15	15	22	30	35	40	31	31	30	27	30	24	35	28	25	32	27	25	33	26.3
Ridgefield	Maximum	43	37	38	44	43	45	38	14	37	31	29	30	25	33	38	43	40	61	44	40	34	49	45	37	46	44	39	36	35	42	35	39.2
	Minimum	28	28	24	23	31	36	25	22	21	20	17	15	17	15	20	31	36	40	30	31	28	31	26	23	33	30	28	29	26	26	31	26.5
Somerville	Maximum	44	37	42	48	46	45	43	36	33	33	30	31	30	34	40	30	41	60	56	42	36	51	48	37	51	46	47	37	41	42	41	41.2
	Miuimum	23	24	22	19	29	37	24	21	17	15	11	10	13	13	18	30	30	30	32	25	26	30	33	30	30	31	32	26	26	28	25	24.5
New York, N. Y.	Maximum	45	39	38	46	48	47	39	39	39	34	31	32	28	33	40	45	46	62	47	43	37	49	46	41	47	45	41	40	40	42	38	41.5
	Minimum	33	30	25	31	37	39	25	22	24	22	20	19	18	19	24	30	37	38	35	33	28	34	28	28	33	33	33	32	31	33	33	29.3
The Southern Interior.																																	
Belleplain	Maximum	57	54	52	50	50	48	44	41	41	42	40	39	38	36	35	49	54	68	64	61	59	57	53	51	52	53	51	48	46	54	51	49.6
	Minimum	25	27	24	30	24	37	25	12	25	14	6	9	9	11	13	30	36	41	31	25	22	24	39	25	34	25	16	35	26	21	22	24.0
Bridgeton	Maximum	45	37	40	49	49	40	37	40	38	35	32	32	28	35	34	47	50	70	50	38	41	55	46	38	53	48	46	45	42	58	47	43.4
	Minimum	31	32	25	26	29	36	29	17	23	18	16	16	16	16	18	30	38	38	32	28	30	26	33	25	30	28	22	32	29	26	30	26.6
Burlington	Maximum	47	40	40	44	45	42	40	36	37	33	32	31	35	33	34	48	44	65	56	42	38	52	47	40	49	46	44	39	40	44	39	42.0
	Minimum	31	30	25	37	35	37	27	21	21	15	13	17	19	17	20	30	34	39	31	32	31	28	39	24	32	27	22	33	30	26	31	27.5
Camden	Maximum	44	37	40	46	50	47	34	38	38	37	34	27	34	31	37	49	44	64	47	45	32	52	48	36	52	46	44	42	40	46	41	42.0
	Minimum	34	30	26	26	31	34	25	24	21	24	17	20	19	18	23	32	37	41	34	34	28	36	28	24	36	30	28	34	27	30	34	28.5
Freehold	Maximum	43	35	39	44	45	41	39	33	37	32	29	30	27	32	39	46	41	65	59	40	34	51	47	38	46	43	40	39	37	38	38	40.2
	Minlmum	27	27	24	20	29	35	26	20	20	17	13	12	14	13	20	30	34	38	29	31	29	26	33	23	34	30	29	34	29	31	30	26.0
Hammonton	Maximum	51	36	40	48	50	46	40	38	37	34	33	31	28	32	36	42	47	69	62	44	36	53	52	42	52	50	46	43	43	43	40	43.4
	Minimum	29	28	24	23	34	36	27	....	....	....	20	12	14	12	16	30	37	42	33	28	27	26	40	21	35	29	24	30	24	29	27	27.0^{c}
Hightstown	Maximum	44	37	41	44	44	41	39	33	36	31	30	30	28	32	37	46	41	64	52	40	35	50	46	38	45	44	41	36	37	41	38	40.0
	Minimum	27	27	25	21	27	36	26	20	19	16	13	12	14	14	18	30	32	39	29	29	30	28	37	21	33	31	23	32	27	25	30	25.5
Indian Mills	Maximum	48	40	39	46	50	47	40	39	40	35	33	31	30	33	37	50	48	68	60	43	39	54	49	41	51	48	45	40	40	50	46	43.9
	Minimum	27	28	25	20	26	38	26	15	22	12	7	9	12	11	19	30	36	42	33	27	25	25	27	22	34	26	18	35	29	22	28	24.4
Lakewood	Maximum	45	37	40	45	49	42	41	36	38	34	33	33	29	35	40	48	45	68	59	43	36	53	47	42	49	46	44	42	40	47	40	42.8
	Minimum	27	26	27	23	27	35	28	18	24	14	9	14	13	14	20	31	32	42	31	30	27	26	35	21	36	27	25	35	28	23	29	25.7
Moorestown	Maximum	45	36	40	43	48	40	34	34	40	32	31	31	28	34	35	49	50	64	47	42	37	52	49	44	52	46	43	41	39	45	39	41.6
	Miuimum	30	28	25	24	29	35	26	22	20	19	14	16	20	17	25	30	34	46	37	32	31	27	37	22	33	32	25	34	30	28	32	27.7
N. Merchantville	Maximum	46	37	40	47	49	43	38	38	38	34	32	32	28	34	37	50	44	65	51	44	37	52	48	39	52	49	45	42	41	46	41	42.5
	Minimum	31	32	25	25	32	38	26	23	21	22	17	18	21	18	22	31	36	40	33	33	32	29	39	23	33	32	28	34	32	28	35	28.7
Pemberton	Maximum	46	39	41	46	49	43	39	36	39	34	32	33	29	35	34	49	45	65	60	43	35	53	48	40	51	46	44	39	42	46	40	42.3
	Minimum	29	31	25	24	28	38	27	19	22	16	12	13	13	15	18	30	34	42	30	29	27	26	38	21	33	28	21	34	27	23	28	25.8
Pleasantville§§	Maximum	45	45	42	45	48	44	33	41	34	37	35	32	29	36	40	51	52	64	49	43	39	49	48	46	53	49	42	47	42	57	49	43.4
	Minimum	26	25	26	23	23	30	26	12	21	12	6	10	13	11	16	23	35	36	33	26	23	21	36	23	36	25	15	37	27	20	26	28.3
Runyon	Maximum	47	37	44	47	47	42	42	38	38	34	34	32	31	34	38	44	48	66	60	40	36	40	44	46	44	40	40	42	44	42	42	42.0
	Minimum	19	24	12	17	22	36	22	18	19	3	0	0	1	10	19	30	22	36	26	28	28	28	21	32	24	15	24	28	14	17	29	20.1
Trenton	Maximum	43	36	40	45	46	41	35	34	37	32	30	30	26	32	35	48	45	65	44	41	36	50	46	36	46	44	42	38	37	43	39	40.1
	Minimum	32	30	25	28	33	35	26	22	20	20	19	16	17	16	22	30	37	39	34	33	30	33	28	24	35	33	32	32	30	29	34	28.2
Trenton No. 2	Maximum	45	40	40	46	46	41	36	36	37	33	31	32	27	33	36	48	42	66	47	43	35	50	46	36	48	45	43	38	40	42	40	40.9
	Minimum	28	29	25	25	29	36	27	22	20	18	16	14	17	15	21	30	36	38	32	32	30	30	27	22	35	32	29	33	30	28	33	27.1
Tuckerton	Maximum	50	40	42	50	55	50	45	40	41	38	35	35	32	35	41	50	53	50	60	45	42	44	49	48	55	50	49	52	44	56	45	45.8
	Minimum	25	29	26	22	32	40	26	18	22	16	12	12	9	11	12	30	38	42	35	32	30	30	40	32	38	36	30	38	34	34	38	28.0
Philadelphia, Pa.	Maximum	45	38	43	46	46	42	34	38	38	33	31	32	28	34	37	51	46	64	47	42	38	51	49	38	52	46	45	44	41	46	41	42.1
	Minimum	33	31	26	31	37	33	24	24	21	23	22	18	19	19	23	30	39	42	34	34	31	35	30	26	37	38	33	35	31	31	36	29.9
The Sea Coast.																																	
Atlantic City	Maximum	45	40	41	43	47	48	35	43	44	36	35	33	29	36	38	50	51	58	45	43	39	46	48	45	52	50	50	46	42	53	44	43.7
	Minimum	34	33	29	29	34	35	27	25	27	25	21	16	19	16	20	34	40	43	35	31	32	39	32	31	37	39	33	35	33	37	34	30.8
Long Branch	Maximum	44	38	40	41	45	46	38	39	38	32	31	31	27	34	41	45	46	68	47	40	36	53	46	42	48	44	42	42	39	44	41	41.5
	Minimum	29	34	29	39	30	38	26	20	18	16	14	13	16	15	25	31	35	42	33	32	28	33	31	31	35	33	29	32	28	28	35	27.8
Sandy Hook	Maximum	42	39	40	42	43	46	40	38	40	32	29	30	27	33	38	43	45	61	45	40	35	49	45	39	44	43	40	38	37	42	40	40.2
	Minimum	35	34	32	36	39	40	28	25	23	25	23	21	20	20	24	32	35	40	37	35	32	35	32	31	36	36	34	35	33	33	35	31.5

^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

ERRATA.

JUNE, 1937. Indian Mills: mean temperature, 71.4; departure, +1.5. Moorestown: prevailing wind, South.

AUGUST, 1937. Pleasantville: total precipitation, 4.40; departure, −0.26.

SEPTEMBER, 1937. Dover: mean minimum temperature, 49.6; mean temperature, 60.4; departure, −2.0. Canoe Brook: prevailing wind, West. Highlands and Kittatinny Valley: mean temperature, 61.0; departure, −2.1.

OCTOBER, 1937. Boonton: maximum temperature, 77 on the 29th and 30th. Culvers Lake: total precipitation, 4.48; departure, +0.87. Newark: total precipitation, 4.56; departure, +0.20. Tuckerton: partly cloudy days, 3; cloudy days, 11. Highlands and Kittatinny Valley: average precipitation, 4.82; departure, +0.81. State: average precipitation, 5.25; departure, +1.84.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION,

E. S. NICHOLS
TRENTON, N. J.

Vol. XLI. Annual Summary, 1937. No. 13.

GENERAL SUMMARY.

The month of January was extremely warm, the normal figure being exceeded by almost ten degrees. Only twice, in 1890 and 1932, was a higher mean temperature for the State recorded. The lowest temperature reported was nine degrees above zero. The precipitation, which was mostly in the form of rain, was one of the heaviest amounts ever recorded in January. February continued warm although the temperature did approach nearer to the normal than did the preceding month. Precipitation for the month was only sixty-four percent of the amount which might have been expected. Again no appreciable amounts of snow were measured, the exception being the section along the coast which received as much as seven inches during the month. March of this year was one of the coldest on record. Some stations recorded minimum temperatures below the ten-degree mark. Precipitation was only seventy-three percent of the normal, but the snowfall was nearly normal. March was the first month of the 1936-37 snowfall season to approach the normal figure. Some stations in the northern portion of the State measured as much as 15 inches on the 15-16th. April was cool and rainy and as a result the growth of vegetation was retarded to a considerable extent. There were only six days when precipitation did not occur somewhere in the State. The month of May was a favorable one as it was warm and somewhat dry, this condition being beneficial to crops as a whole as it allowed the soil to dry out to a workable condition. Frosts were numerous but were either light or occurred too early to do any material damage. June rainfall was in excess of normal which condition was conducive to good growth of crops. The temperature was also above normal with no protracted warm or cool spells. The outstanding feature during July was the period of excessive warmth from the 7th to the 11th. During this period a number of stations reported temperatures above the 100-degree mark, the highest recorded being 103 degrees at Charlotteburg. The precipitation averaged below normal and its distribution was very uneven. The Highlands and Kittatinny Valley sections received more than twice the amount that fell in the Southern Interior. Severe local storms occurred in some sections, the strong winds doing some damage. One storm, confined to Warren, Sussex and Morris Counties, on the 26th was particularly destructive. August was abnormally warm and wet. The temperature remained steady during the month, no unusual extremes being recorded. The rainfall was very well distributed. September was characterized by intensely hot weather during the first four days and again during the middle of the third decade, but the month as a whole was below normal. Frosts were quite general in the northern and central sections on the 18th and 21st, but no damage was done as it was only light. The rainfall during October was almost two inches above the normal, being light during the first half and heavy during the latter half. As far as temperature was concerned the month was cool, being one of the ten coolest on record. Nearly all stations experienced killing frost, the exception being the stations along the coast and a few along the Delaware River. November temperatures averaged near normal whereas the precipitation again was in excess. The precipitation was heavy in the central and coastal regions, individual stations receiving as much as an excess of three inches. The rainfall during December was scant, in fact only four other Decembers since 1885 had lesser amounts. Snowfall was negligible. It was cold during the first half of the month but conditions ameliorated during the latter portion and the month ended with the temperature averaging only slightly below the normal.

F. H. T.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	**63.33**	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	**109**	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	**49.2**	100	**−34**	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24 3	102	177	96	98
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	**35.28**	15.6	99	172	89	104
1931	**54.4**	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169*	85	111
1935	51.6	101	−31	42.32	36 2	118	155	89	121
1936	52.8	**110**	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
Period	51.9	110	−34	45.49	29.0	136	153	104	108

Climatological Data for the Year 1937

Station	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	46	52.2	100	July 9†	10	Dec. 10	46	57.53	12.35	Aug.	1.29	Sept.	21.0	112	209	50	106	......
Charlotteburg	Passaic	719	45	50.9	103	do. 10	5	do. 11	45	58.16	9.64	do.	2.43	Dec.	20.5	132	233	9	123	w.
Culvers Lake	Sussex	848	......	......	......	......	......	......	36	43.80	5.80	Jan.	2.02	Feb.	......	......	......	......	......	......
Dover	Morris	600	53	50.3	94	July 9†	9	Dec. 11	53	48.96	6.20	do.	2.36	Dec.	16.1	131	82	149	134	......
Layton [near]	Sussex	480	36	48.5	100	July 9	2	Dec. 10†	36	48.76	5.85	Aug.	2.35	Dec.	26.5	120	129	54	182	nw.
Long Valley	Morris	660	7	50.1	96	do. 9†	6	Feb. 3†	7	54.03	7.97	do.	1.73	Sept.	15.0	111	194	110	61	e.
Newton	Sussex	769	54	50.2	96	June 1	8	Dec. 12	51	44.30	7.20	June	2.01	do.	23.9	136	119	81	165	sw.
Phillipsburg	Warren	182	46	51.7	99	July 9	12	do. 11	54	47.31	8.49	Aug.	0.75	do.	26.0	120	158	76	131	......
Sussex	Sussex	442	39	......	......	......	8	do. 11	42	48.21	6.94	do.	2.29	Mar.	16.3	......	......	......	......	......
Means and extremes	......	......	......	50.6	103	July 10	2	Dec. 10†	......	50.12	12.35	Aug.	0.75	Sept.	20.7	123	161	75	129	w.
The Red Sandstone Plain.																				
Boonton	Morris	400	29	51.1	97	July 9†	10	Dec. 10†	47	45.32	5.72	Nov.	1.94	Mar.	......	112	177	25	163	nw.
Canoe Brook	Essex	180	7	50.1	98	do. 9	4	Feb. 6†	7	49.12	6.85	Aug.	2.03	Dec.	......	124	176	101	88	w.
Chatham	Morris	185	......	......	......	......	......	......	33	46.18	6.99	Jan.	2.24	do.	......	126	170	110	85	......
Elizabeth	Union	34	53	53.3	100	July 9	10	Dec. 12†	58	48.82	7.23	Aug.	1.84	Feb.	10.0	127	211	31	123	w.
Flemington	Hunterdon	140	40	54.1	100	do. 10†	11	do. 11	51	46.64	6.39	Jan.	1.58	Sept.	15.3	131	213	59	93	nw.
Jersey City	Hudson	10‡	39	......	100	July 10	......	......	39	48.84	8.13	Aug.	1.85	Dec.	11.0	132	125	110	130	nw.
Lambertville [near]	Hunterdon	430	50	......	98	do. 9†	......	......	50	47.09	5.97	Jan.	1.22	Sept.	......	......	......	......	......	......
Little Falls	Passaic	157	23	52.7	100	do. 9	11	Feb. 4†	34	56.05	7.89	Aug.	2.37	Dec.	10.0	133	175	79	111	w.
Newark	Essex	10	3	53.3	100	do. 9	15	do. 3†	3	44.87	6.72	do.	1.72	do.	8.5	128	91	134	140	......
New Brunswick	Middlesex	86	80	53.2	98	do. 9	11	Dec. 11	84	42.75	7.62	do.	1.08	do.	6.7	117	182	102	81	nw.
New Milford	Bergen	12	......	......	......	......	......	......	19	47.87	6.14	Jan.	2.17	Feb.	......	122	......	......	......	......
Paterson	Passaic	180§	67	53.7	99	July 9†	13	Feb. 3†	67	50.46	7.51	Aug.	2.15	do.	11.6	126	211	63	91	nw.
Plainfield	Union	100	46	53.2	100	do. 9†	13	Dec 11	49	50.57	10.50	do.	1.83	Dec.	11.3	122	125	111	129	nw.
Ridgefield	Bergen	80	20	52.6	97	do. 10	14	Feb. 2†	20	49.95	6.63	do.	2.03	Feb.	12.9	121	120	144	101	nw.
Somerville [near]	Somerset	385	51	52.0	96	do. 9†	10	Dec. 12	53	52.00	9.51	do.	1.96	Dec.	......	......	139	95	131	sw.
Woodcliff Lake	Bergen	103	......	......	......	......	......	......	19	47.67	6.13	Aug.	1.88	July	......	118	......	......	......	......
New York, N.Y.	......	10	67	53.9	96	July 10	13	Feb. 3	67	48.13	7.92	Aug.	1.87	Feb.	10.4	138	116	102	147	nw.
Means and extremes	......	......	......	52.7	100	July 9†	4	Feb. 6†	......	48.39	10.50	Aug.	1.08	Dec.	10.8	124	162	90	113	nw.
The Southern Interior.																				
Belleplain	Cape May	49	42	55.0	98	July 10	6	Dec. 11	43	45.19	7.73	Jan.	0.92	Sept	5.0	94	184	85	96	sw.
Bridgeton	Cumberland	30	49	54.9	100	do. 9	16	Feb. 3	54	44.16	7.48	do.	0.86	Dec.	3.7	126	206	57	102	sw.
Burlington	Burlington	11	25	55.1	100	do. 9†	13	Dec. 11	51	45.65	7.16	Oct.	1.66	July	3.6	126	170	71	124	sw.
Camden	Camden	20	6	54.8	100	do. 9	17	do. 11	5	43.36	7.13	Aug.	0.58	do.	11.5	115	112	109	144	nw.
Freehold	Monmouth	194	6	53.3	98	July 9	12	Dec. 12	33	47.61	6.18	Jan.	1.67	Dec.	11.7	126	232	48	85	w.
Hammonton	Atlantic	95	5	54.7	101	do. 9	12	do. 12†	31	47.27	7.38	Oct.	0.89	do.	6.1	120	143	122	100	w.
Hightstown	Mercer	100	41	52.9	98	do. 9	12	do. 12	43	44.58	6.73	Aug.	1.31	do.	12.3	140	149	111	105	nw
Indian Mills	Burlington	76	48	53.7	98	do. 9	7	do. 11	47	51.43	8.31	Jan.	1.22	do.	8.5	123	106	147	112	nw.
Lakewood	Ocean	54	33	54.0	98	July 9†	9	Dec. 11	33	52.21	10.33	Oct.	1.56	Feb.	13.0	134	153	79	133	nw.
Moorestown	Burlington	62	74	53.7	98	do. 9	14	do. 11	74	48.72	9.85	Aug.	0.94	Dec.	7.7	128	132	109	124	n.
Northfield	Atlantic	25	......	......	......	......	......	......	30	43.16	6.73	Jan.	1.05	do.	......	......	......	......	......	......
Pemberton	Burlington	55	7	54.6	99	July 9	12	Dec. 11	7	47.20	6.25	do.	0.92	do.	7.4	133	187	57	121	w.
Pleasantville	Atlantic	8	14	53.4	98	July 16	6	Dec. 11	39	44.20	6.85	Jan.	0.93	July	......	132	215	47	103	s.
Runyon	Middlesex	18	13	51.8	102	do. 9	0	do. 11†	14	43.83	7.41	Aug	1.72	Feb.	......	98	203	95	67	w.
Trenton	Mercer	56	66	53.7	99	do. 9	16	do. 14	65	38.03	5.43	Jan.	1.14	Dec.	8.8	130	116	105	144	nw.
Trenton No. 2	Mercer	105	1	53.7	98	do. 9	14	do. 12	9	41.39	6.16	do.	1.41	do.	10.1	127	......	......	......	......
Tuckerton	Ocean	23	39	54.8	98	do. 16	9	do. 13	44	48.31	8.50	Oct.	0.91	do.	0.5	130	184	57	124	nw.
Philadelphia, Pa.	......	26	66	55.2	98	July 10	18	Dec. 12	66	37.40	5.71	Jan.	1.05	Dec.	12.3	130	102	113	150	sw.
Means and extremes	......	......	......	54.0	102	July 9	0	Dec. 11†	......	45.25	10.33	Oct.	0.58	July	7.8	124	166	87	112	nw.
The Sea Coast.																				
Atlantic City	Atlantic	8	64	54.6	97	July 16	16	Dec. 12	64	42.39	6.88	Jan.	1.07	Sept.	7.6	133	94	117	154	w.
Long Branch	Monmouth	34	29	53.3	98	do. 10	13	do. 12	29	49.46	7.91	Oct.	1.60	May	10.5	132	108	109	148	nw.
Sandy Hook	Monmouth	15	39	53.9	98	do. 10	17	Feb 3	39	41.47	7.88	Aug.	1.26	Dec.	8.4	128	119	96	150	w.
Means and extremes	......	......	......	53.9	98	July 10	13	Dec. 12	......	44.44	7.91	Oct.	1.07	Sept.	8.8	131	107	107	161	w.
For the State	......	......	......	53.0	103	July 10	0	Dec. 11†	......	47.61	12.35	Aug.	0.58	July	11.1	124	161	84	120	nw.

† Also on other dates.

‡ 81 feet from 9-24-37.

§ 95 feet from 12-1-37.

W. B. O. Philadelphia-4-5-38-1050

Monthly and Annual Precipitation for the Year 1937, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	6.93	+3.17	2.66	-0.90	2.66	-1.03	4.88	+1.12	4.01	+0.47	6.47	+2.47	5.73	+1.19	12.35	+7.78	1.29	-2.45	4.76	+0.94	3.45	+0.26	2.34	-1.57	57.53	+11.45
Charlotteburg	6.64	+3.02	3.41	-0.28	2.81	-1.18	5.04	+0.72	3.59	-0.29	5.54	+1.08	4.07	-0.51	9.64	+6.14	3.00	-1.15	5.34	+0.93	6.65	+3.03	2.43	-1.57	58.16	+8.94
Culvers Lake	5.80	+2.76	2.02	-0.94	2.13	-1.19	3.45	-0.08	2.25	-1.58	5.36	+0.92	3.92	-0.86	*5.48	+0.83	*2.97	-1.05	4.48	+0.87	*3.48	+0.38	*2.46	-0.88	43.80	-0.82
Dover	6.20	+2.20	2.47	-1.30	2.89	-1.13	4.51	+0.45	3.56	-0.07	4.72	+0.29	2.94	-2.27	5.47	+1.07	3.61	-0.47	4.58	+0.44	5.55	+2.00	2.36	-1.82	48.96	-0.61
Layton [near]	5.30	+2.32	2.48	-0.51	3.26	-0.03	4.24	+0.75	4.39	+1.25	4.97	+0.44	3.42	-0.98	5.85	+1.76	2.48	-1.38	5.85	+2.10	4.17	+1.10	2.35	-1.02	48.76	+5.80
Long Valley	6.79	......	1.81	......	2.51	......	5.45	......	4.03	......	4.05	......	5.98	......	7.97	......	1.73	......	6.55	......	4.68	......	2.58	......	54.08	......
Newton	4.81	+1.51	2.76	-0.39	3.19	-0.20	3.05	-0.48	4.15	+0.54	7.20	+2.72	3.19	-1.64	3.64	-0.71	2.01	-1.75	4.42	+0.77	3.69	+0.62	2.19	-1.22	44.30	-0.28
Phillipsburg	7.16	+3.78	2.83	-0.48	2.16	-1.18	3.89	+0.50	3.66	+0.35	5.05	+1.32	4.83	+0.35	8.49	+4.09	0.75	-2.74	3.76	+0.16	2.69	-0.14	2.07	-1.36	47.34	+4.65
Sussex	5.87	+2.90	3.10	+0.14	2.29	-0.86	3.29	-0.24	4.24	+0.81	6.25	+1.17	3.80	-0.02	6.94	+2.94	4.41	+0.84	3.61	+0.25	2.58	-0.24	2.83	-0.14	48.21	+7.56
The Red Sandstone Plain.																										
Boouton	5.66	+2.28	2.35	-0.95	1.94	-1.70	4.44	+0.54	2.74	-0.96	5.39	+1.43	2.69	-1.95	5.37	+0.68	2.49	-1.36	4.36	+0.45	5.72	+2.71	2.17	-1.53	45.32	-0.86
Canoe Brook	6.33	......	2.96	......	2.92	......	5.18	......	3.14	......	4.94	......	2.59	......	6.85	......	2.79	......	3.97	......	5.42	......	2.03	......	49.12	......
Chatham	6.99	+3.02	2.47	-1.40	2.67	-1.37	4.31	+0.09	2.36	-1.56	4.67	+0.71	2.53	-2.41	6.20	+1.55	2.38	-1.84	3.89	-0.22	5.47	+2.03	2.24	-1.93	46.18	-3.33
Elizabeth	6.69	+2.99	1.84	-2.02	2.91	-1.05	5.36	+1.52	2.75	-0.89	3.89	+0.29	3.72	-1.00	7.23	+2.90	3.90	+0.29	4.17	+0.22	4.35	+1.43	2.01	-1.91	48.82	+2.77
Flemingtou	6.39	+2.92	1.85	-1.47	2.68	-0.98	5.06	+1.38	2.26	-1.26	6.78	+2.17	4.24	-0.61	5.62	+1.10	1.58	-2.06	4.70	+1.19	4.44	+1.49	2.10	-1.56	46.64	+2.31
Jersey City	6.18	+2.48	2.00	-1.93	3.07	-0.95	5.21	+1.46	2.83	-0.62	3.07	-0.71	4.36	+0.01	8.13	+3.80	3.98	+0.58	3.98	-0.12	4.18	+1.18	1.85	-1.80	48.84	+3.38
Lambertville [near]	5.97	+2.51	1.90	-1.48	2.91	-0.88	4.97	+1.17	3.80	+0.14	4.93	+1.17	3.67	-1.07	5.70	+0.90	1.22	-2.14	4.68	+1.13	5.89	+2.89	*1.55	-2.16	47.09	+2.19
Little Falls	6.24	+2.57	3.61	-0.19	2.87	-0.90	5.37	+1.21	3.47	-0.47	7.00	+2.98	2.54	-2.18	7.89	+2.93	3.61	-0.07	4.55	-0.04	6.53	+3.13	2.37	-1.57	56.06	+7.40
Newark	6.25	+2.59	1.88	-1.57	2.78	-0.97	5.17	+1.29	2.35	-1.52	3.62	-0.90	2.60	-2.35	6.72	+2.17	3.21	-0.48	4.56	+0.20	4.01	+0.92	1.72	-2.24	44.87	-2.86
New Brunswick	6.86	+2.46	1.45	-1.92	2.28	-1.28	5.01	+1.40	2.45	-1.21	3.36	-0.33	2.86	-2.37	7.62	+2.22	3.15	-0.21	4.10	+0.28	3.64	+0.70	1.08	-2.46	42.75	-2.72
New Milford	6.14	+3.06	2.17	-1.02	2.69	-0.66	4.36	+0.94	2.56	-0.95	4.24	+0.69	3.72	-1.40	5.62	+1.07	4.09	+0.01	4.75	+1.87	5.20	+1.99	2.33	-0.67	47.87	+4.93
Paterson	6.31	+2.76	2.15	-1.83	2.87	-1.08	4.63	+0.80	3.20	-0.57	6.82	+2.12	3.61	-0.69	7.51	+2.88	3.27	-0.34	4.19	+0.08	4.09	+0.97	2.81	-1.04	50.46	+4.06
Plainfield	6.43	+2.78	2.04	-1.71	3.08	-0.88	5.29	+1.50	3.05	-0.68	4.64	+0.77	2.44	-3.11	10.50	+5.40	2.64	-1.39	3.88	-0.20	4.75	+1.70	1.83	-2.04	50.57	+2.14
Ridgefield	6.40	+2.74	2.03	-1.87	2.98	-1.09	4.62	+1.17	3.22	-0.25	4.02	-0.12	4.06	-0.76	6.63	+1.72	4.32	+1.18	4.21	-0.02	5.28	+2.44	2.18	-1.63	49.95	+3.51
Somerville [near]	7.70	+4.18	2.60	-0.85	2.86	-0.81	4.58	+0.92	3.04	-0.50	4.84	+1.33	3.86	-1.39	9.51	+4.59	2.31	-1.41	4.24	+0.66	4.51	+1.54	*1.96	-1.75	52.00	+6.51
Woodcliff Lake	6.12	+2.97	2.12	-1.20	2.47	-0.60	4.38	+0.94	4.82	+1.48	3.80	+0.44	1.88	-2.69	6.13	+1.91	4.05	+0.19	4.40	+1.55	5.05	+2.02	2.45	-0.54	47.67	+6.47
New York, N. Y.	6.01	+2.35	1.87	-1.95	2.98	-0.66	5.00	+1.77	2.64	-0.60	3.07	-0.26	4.41	+0.17	7.92	+3.59	4.04	+0.65	4.12	+0.59	4.12	+1.16	1.95	-1.67	48.13	+5.14
The Southern Interior.																										
Belleplain	7.73	+4.19	2.85	-0.48	3.56	-0.20	5.40	+1.70	3.36	-0.16	2.86	-0.58	1.50	-2.81	4.49	-0.11	0.92	-2.46	5.85	+2.95	5.68	+3.14	0.99	-3.01	45.19	+2.17
Bridgeton	7.48	+4.03	2.81	-0.41	2.65	-1.19	4.15	+0.55	3.52	+0.25	4.88	+0.96	1.23	-3.22	4.03	-0.64	2.54	-0.77	6.17	+3.07	3.84	+1.24	0.86	-2.84	44.16	+1.03
Burlington	5.37	+1.80	1.81	-1.51	2.26	-1.45	4.06	+0.32	3.93	+0.42	3.34	-0.35	1.66	-3.28	5.90	+0.12	2.91	-0.65	7.16	+3.67	5.25	+2.27	2.00	-1.95	45.65	-0.59
Camden	5.37	......	1.32	......	2.40	......	3.91	......	3.29	......	4.33	......	0.58	......	7.13	......	2.43	......	7.07	......	4.23	......	1.30	......	43.36	......
Freehold	6.48	+2.52	2.14	-2.00	2.56	-2.09	5.79	+2.15	2.52	-1.26	5.29	+1.68	2.26	-3.00	5.85	+1.26	3.28	-1.01	5.31	+1.60	4.46	+0.44	1.67	-2.05	47.61	-1.76
Hammonton	6.98	+3.24	2.68	-0.56	2.87	-1.05	5.59	+1.81	3.60	-0.01	4.10	+0.34	1.33	-3.21	5.69	+0.81	1.10	-3.11	7.38	+3.53	5.06	+2.02	0.89	-3.09	47.27	+0.72
Hightstown	5.53	+2.06	1.63	-1.76	2.36	-1.42	4.67	+0.78	2.79	-0.82	6.02	+2.26	3.60	-1.32	6.73	+1.71	2.20	-1.01	4.50	+0.80	3.24	+0.33	1.31	-2.23	44.58	-0.62
Indian Mills	8.31	+4.34	2.80	-0.87	3.19	-0.89	4.75	+0.95	4.50	+1.16	5.60	+1.67	2.10	-2.65	6.29	+0.76	1.86	-1.63	5.61	+1.92	5.20	+2.20	1.22	-2.89	51.48	+4.07
Lakewood	5.86	+1.86	1.56	-2.33	2.21	-1.96	4.89	+0.94	2.40	-1.38	4.63	+0.62	2.90	-2.10	7.74	+2.55	3.31	+0.27	10.33	+6.53	4.80	+1.71	1.58	-2.61	52.21	+4.10
Maple Shade	5.92	......	......	......	......	......	5.03	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Moorestown	5.95	+2.61	2.06	-1.19	2.84	-0.84	5.22	+1.57	4.01	+0.49	4.07	+0.29	1.23	-3.47	9.85	+4.48	1.29	-2.24	7.00	+3.52	4.26	+1.35	0.94	-2.83	48.72	+3.74
Northfield	6.73	+3.59	2.32	-0.52	2.87	-0.57	*4.20	+0.88	*1.92	-1.32	4.65	+1.36	1.16	-2.98	5.78	+1.26	1.40	-1.45	6.34	+3.14	4.74	+2.03	1.05	-2.72	43.16	+2.70
North Merchantville	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	4.38	......	1.21	......	......	......
Pemberton	6.25	......	2.43	......	3.70	......	4.27	......	3.22	......	3.72	......	3.58	......	6.11	......	3.78	......	5.08	......	4.14	......	0.92	......	47.20	......
Pleasantville	6.85	+3.65	3.38	+0.48	3.79	+0.38	4.18	+0.76	1.98	-1.20	4.79	+1.29	0.93	-3.13	4.40	-0.26	1.61	-1.36	5.77	+2.44	5.09	+2.27	1.43	-2.50	44.20	+2.82
Runyon	5.70	+2.24	1.72	-1.77	2.69	-0.41	4.61	+0.65	2.69	-1.21	3.84	+0.31	2.90	-2.48	7.41	+2.09	3.13	-0.47	4.48	+0.66	2.87	-0.31	1.79	-1.56	43.83	-2.25
Trenton	5.43	+2.12	1.52	-1.75	1.97	-1.43	4.31	+1.37	2.86	-0.22	4.05	+0.96	1.84	-2.10	5.12	+0.37	1.90	-1.50	4.35	+1.57	3.54	+0.81	1.14	-2.21	38.03	-2.01
Trenton No. 2	6.16	......	1.93	......	2.76	......	4.53	......	2.94	......	4.66	......	2.59	......	5.73	......	1.98	......	5.37	......	4.33	......	1.41	......	44.39	......
Tuckerton	6.40	+2.73	2.14	-1.35	2.63	-1.50	5.57	+1.80	1.86	-1.58	4.92	+1.19	1.23	-2.75	7.52	+2.22	1.54	-1.72	8.50	+4.88	5.09	+2.09	0.91	-3.42	48.31	+2.59
Philadelphia, Pa.	5.71	+2.41	1.66	-1.66	2.98	-0.41	4.38	+1.33	2.62	-0.64	3.51	+0.27	1.16	-2.99	4.10	-0.52	1.55	-1.59	5.24	+2.43	3.44	+0.74	1.05	-2.38	37.40	-3.01
The Sea Coast.																										
Atlantic City	6.88	+3.39	3.05	-0.31	3.00	-0.60	4.22	+1.23	1.85	-1.20	3.45	+0.41	0.96	-2.97	6.13	+1.64	1.07	-1.68	5.43	+2.23	5.07	+2.25	1.28	-2.66	42.39	+1.83
Long Branch	6.63	+2.49	2.21	-1.92	3.12	-1.05	4.42	+0.15	1.60	-2.25	4.01	+0.15	2.51	-3.34	6.53	+1.05	4.12	+0.93	7.91	+3.52	4.80	+1.24	1.60	-2.55	49.46	-1.58
Sandy Hook	4.61	+0.65	2.26	-1.49	2.41	-1.63	3.75	+0.13	1.94	-1.78	3.86	+0.08	1.71	-3.41	7.88	+2.90	3.71	+0.28	4.55	+0.77	3.53	+0.28	1.26	-2.78	41.47	-6.00

* Interpolated from surrounding stations.

Monthly and Annual Mean Temperatures for the Year 1937, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	^{a}36.4	+9.0	^{c}33.8	+5.9	34.8	−3.8	49.5	−0.1	63.4	+3.0	71.8	+2.9	74.6	+1.4	74.6	+3.8	62.5	−2.7	^{c}52.6	−2.5	42.1	+0.7	30.8	0.0	52.2	+1.5
Charlotteburg	37.0	+10.1	32.3	+5.9	32.4	−3.9	47.3	+0.7	62.0	+4.8	69.4	+4.4	72.2	+2.3	72.8	+5.3	61.0	−1.1	51.0	−0.3	^{a}42.4	+2.0	31.4	+1.3	50.9	+2.6
Dover	^{b}36.3	+9.6	31.6	+4.7	32.8	−3.1	47.0	−0.4	60.8	+2.4	68.3	+1.5	72.0	+0.6	72.6	+3.5	^{a}60.4	−2.0	^{j}50.4	−1.0	^{a}41.0	+0.6	30.6	+0.5	50.3	+1.4
Layton [near]	32.9	+7.9	28.6	+3.5	28.6	−7.5	43.7	−3.4	56.3	−1.2	67.4	+1.7	72.0	+1.1	73.0	+4.8	60.6	−2.0	50.0	−1.1	40.4	+1.1	28.2	+0.1	48.5	+0.4
Long Valley	34.9	......	30.6	......	33.2	......	46.6	.....	60.6	.....	69.2	......	72.2	......	72.8	......	59.6	......	50.6	.....	40.9	......	29.8	......	50.1	......
Newton	35.0	+9.1	31.2	+4.2	32.5	−3.5	^{a}46.8	−1.2	62.1	+2.7	68.3	+0.3	71.5	−1.0	72.8	+2.5	61.2	−2.6	50.4	−2.4	41.1	+0.3	29.5	−0.7	50.2	+0.6
Phillipsburg	36.3	+7.9	32.0	+3.2	35.0	−3.6	48.6	−1.0	62.1	+1.1	70.4	+1.1	73.6	−0.3	73.8	+2.1	62.8	−2.5	51.6	−2.1	42.0	+0.2	32.2	+0.7	51.7	+0.6
Sussex	^{a}34.8	+8.0	32.2	+5.7	^{a}33.7	−3.2	49.4	+1.0	^{a}63.0	+3.7	^{j}70.2	+3.4	^{a}73.6	+1.6	.....	......	62.1	−2.1	^{i}51.0	−1.9	41.4	+0.2	29.3	−0.6	.....	......
The Red Sandstone Plain.																										
Boonton	36.5	+9.4	35.0	+7.3	33.6	−1.8	47.8	−0.3	60.9	+2.6	68.8	+1.5	72.7	+0.8	73.8	+3.7	61.2	−2.3	51.2	−0.8	41.1	−0.1	31.1	+1.8	51.1	+1.8
Canoe Brook	36.3	......	31.3	......	32.8	.....	46.4	.....	^{f}59.8	......	67.2	......	71.7	......	73.2	......	60.3	......	52.0	......	40.3	......	29.7	......	50.1	......
Elizabeth	39.6	+9.2	34.6	+3.6	37.7	−1.7	50.7	−0.2	^{d}63.4	+1.7	^{d}71.6	+1.2	75.0	−0.2	76.0	+2.8	63.8	−3.1	53.0	−2.3	^{c}41.6	−2.2	32.8	−0.8	53.3	+0.7
Flemington	38.8	+8.9	35.2	+5.3	37.4	−3.2	50.8	+0.6	64.2	+3.2	72.1	+2.6	75.4	+0.9	76.8	+4.5	65.6	−0.9	54.4	−1.2	44.6	+1.3	33.4	+0.9	54.1	+1.9
Jersey City	40.3	+8.2	35.2	+3.7	36.7	−3.3	50.0	−0.2	64.4	+3.1	71.1	+0.2	76.6	+0.8	76.6	+3.0	^{g}67.0	−0.5	.....	......	.....	......	.....	......	.....	......
Lambertville[near]	38.0	+7.8	32.8	+2.2	34.5	−5.2	48.4	−1.8	60.2	−0.8	69.2	−0.3	74.4	+0.4	^{i}75.0	+3.0	.....	......	.....	......	43.6	+0.5	.....	......	.....	......
Little Falls	38.0	+9.5	33.8	+4.5	35.2	−2.1	49.4	+1.1	63.6	+3.8	70.4	+1.7	74.8	+1.0	75.8	+4.6	63.0	−4.3	52.8	−0.4	43.4	+1.4	32.6	−0.2	52.7	+1.8
Newark	39.0	+9.2	34.2	+5.0	36.0	−3.3	49.4	−0.8	63.2	+2.1	70.8	+1.2	75.4	+0.8	75.8	+3.1	64.0	−2.7	53.6	−2.1	44.4	+0.7	34.1	+0.7	53.3	+1.2
New Brunswick	39.4	+9.1	34.6	+3.6	36.0	−3.2	49.2	−0.5	63.0	+2.6	71.0	+1.8	74.9	+0.9	75.5	+3.5	63.9	−1.9	54.0	−0.7	44.0	+0.4	33.0	−0.4	53.2	+1.3
Paterson	38.8	+8.9	34.6	+4.0	35.8	−3.6	49.8	−0.9	65.0	+3.5	71.9	+1.9	75.8	+1.3	76.2	+4.0	64.4	−2.0	53.8	−1.4	43.8	+0.1	34.8	+1.4	53.7	+1.4
Plainfield	38.9	+9.1	34.3	+5.0	35.9	−3.2	49.7	+0.3	63.6	+3.8	70.6	+2.0	75.2	+1.6	75.9	+4.5	63.8	−1.7	53.6	−0.2	44.1	+1.5	33.4	+0.6	53.2	+1.9
Ridgefield	37.8	+9.3	33.5	+4.7	35.0	−1.5	49.2	+1.3	63.2	+4.1	70.7	+3.1	74.7	+1.8	75.2	+4.5	63.5	−1.4	52.8	−0.2	43.4	+1.6	32.8	+1.5	52.6	+2.4
Somerville[near]	37.6	+8.6	33.6	+4.2	31.4	−4.4	48.2	−1.3	62.7	+2.2	69.2	0.0	73.4	−0.6	74.1	+1.9	62.6	−3.5	52.4	−1.7	42.7	0.0	32.8	+0.3	52.0	+0.5
New York, N. Y	40.4	+9.5	34.9	+3.6	36.6	−1.1	49.0	−0.4	63.3	+2.7	70.6	+1.8	75.4	+1.6	75.7	+2.6	65.2	−1.6	54.6	−1.7	45.6	+1.4	35.4	+0.4	53.9	+1.6
The Southern Interior.																										
Belleplain	43.0	+10.0	36.0	+3.5	^{h}38.6	−2.9	50.9	+0.4	63.3	+2.7	72.6	+3.7	76.1	+2.7	77.2	+5.1	64.8	−1.5	54.8	−0.7	^{a}45.3	+0.9	36.8	+1.7	55.0	+2.1
Bridgeton	41.3	+7.6	34.4	+0.3	38.4	−4.2	51.0	−1.3	64.0	+0.5	73.1	+1.0	77.1	+0.6	78.0	+3.4	66.0	−2.4	55.0	−2.2	^{a}45.4	−0.3	35.0	−1.1	54.9	+0.2
Burlington	40.6	+7.6	36.5	+4.2	38.5	−2.8	52.0	0.0	65.8	+2.9	73.0	+1.3	76.8	0.0	77.2	+2.8	65.5	−2.2	55.8	−1.1	45.0	+0.3	34.8	−0.1	55.1	+1.1
Camden	40.7	......	35.2	......	37.8	......	51.3	......	65.2	......	72.9	......	77.4	......	77.2	......	65.4	......	53.6	.....	45.7	.....	35.2	......	54.8	......
Freehold	41.0	......	^{d}34.1	......	36.4	......	49.4	......	62.8	......	71.0	......	74.4	......	75.5	.....	63.4	.....	53.8	.....	44.4	......	33.1	......	53.3	......
Hammonton	42.9	......	36.0	......	37.8	......	51.6	......	63.8	.....	72.2	.....	76.2	......	77.2	......	64.2	......	54.4	.....	44.9	......	^{c}35.2	......	54.7	......
Hightstown	39.9	+9.8	34.8	+4.5	35.7	−5.1	49.2	−1.2	62.2	+1.4	70.0	+0.9	74.3	+0.2	75.4	+3.5	63.6	−3.1	53.4	−1.5	43.8	+0.3	32.8	−0.1	52.9	+0.8
Indian Mills	42.0	+9.9	34.6	+2.1	36.4	−4.7	50.5	0.0	62.8	+1.1	71.4	+1.5	74.3	−0.2	75.7	+3.3	63.6	−2.8	54.4	−0.8	44.3	+0.8	34.2	+0.2	53.7	+0.9
Lakewood	42.6	+11.1	35.8	+4.8	37.2	−3.1	50.2	+0.7	63.6	+3.6	70.9	+2.7	74.8	+1.8	75.6	+4.7	63.6	−1.4	54.0	−0.2	44.8	+1.6	34.2	+0.3	54.0	+2.2
Maple Shade	40.3	......	.....	......	.....	......	51.6	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......
Moorestown	40.4	+9.5	35.6	+3.8	37.4	−2.4	50.6	+0.1	63.4	+2.2	70.7	+0.5	75.3	+0.6	75.8	+3.3	63.2	−3.1	53.2	−1.7	44.2	+1.3	34.6	+0.9	53.7	+1.2
N. Merchantville	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	.....	......	46.4	......	35.6	......	.....	......
Pemberton	42.4	......	36.8	......	38.0	......	51.6	.....	64.2	.....	72.4	......	75.8	......	76.3	......	64.2	......	54.2	.....	45.6	......	34.0	......	54.6	......
Pleasantville	43.2	+9.4	34.2	+1.2	37.8	−2.5	^{a}51.2	+2.8	61.4	+2.6	70.0	+1.7	74.7	+1.5	75.0	+3.8	62.8	−3.5	54.0	−0.7	42.8	−2.3	33.4	−1.9	53.4	+1.0
Runyon	38.9	+7.7	30.6	+0.6	33.2	−7.2	45.8	−2.6	62.7	+3.3	70.2	+1.6	73.6	+0.6	74.8	+3.3	63.9	−0.8	^{a}54.4	+1.8	42.9	−0.6	31.0	−1.2	51.8	+0.5
Trenton	39.7	+9.2	34.5	+3.8	36.8	−2.3	50.0	+0.2	63.9	+2.8	71.2	+1.7	75.8	+1.3	76.0	+3.0	64.3	−2.6	53.8	−1.8	44.6	+0.2	34.2	−0.2	53.7	+1.2
Trenton No 2	39.7	......	34.3	......	36.8	......	50.1	.....	63.7	......	71.5	......	75.4	......	76.4	.....	64.0	.....	53.8	.....	44.3	......	34.0	.....	53.7	......
Tuckerton	44.3	+11.4	^{d}38.4	+6.0	39.6	−1.5	50.5	+0.9	60.8	+1.0	69.9	+1.1	75.2	+1.2	75.5	+3.1	64.0	−2.7	55.6	−0.3	46.9	+2.2	36.9	+1.7	54.8	+2.0
Philadelphia, Pa	41.4	+8.8	35.8	+1.9	38.7	−2.1	51.2	−0.9	65.3	+2.4	72.6	+1.2	77.1	+0.9	77.2	+2.4	66.4	−1.6	55.0	−2.8	46.2	+0.5	36.0	−0.3	55.2	+0.8
The Sea Coast.																										
Atlantic City	43.4	+10.9	36.0	+2.4	40.0	+1.4	49.6	+1.8	60.8	+2.7	69.5	+2.9	75.8	+3.6	74.0	+1.5	65.8	−1.0	56.0	−0.9	47.0	+1.4	37.2	+0.8	54.6	+2.3
Long Branch	41.7	+10.2	34.5	+3.3	36.9	−2.5	49.0	+0.8	61.6	+3.6	70.2	+3.1	74.7	+2.6	75.2	+4.4	64.0	−1.9	52.8	−2.6	44.8	+0.6	34.6	+0.4	53.3	+1.8
Sandy Hook	40.4	+9.1	34.6	+2.5	37.0	−2.3	48.8	+0.5	62.1	+3.7	70.0	+2.2	75.4	+1.9	75.6	+3.1	66.0	−1.5	55.0	−1.9	45.9	+0.1	35.8	+0.6	53.9	+1.5

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
The Highlands and Kittatinny Valley			*The Southern Interior*		
Belvidere	Apr. 17*	Oct. 9	Belleplain	May 1*	Oct. 15*
Charlotteburg	May 16*	do. 12*	Bridgeton	Apr. 12*	do. 16
Culvers Lake	Apr. 13	do. 9	Burlington	do. 1*	do. 15*
Dover	May 12	Sept. 18	Camden	do. 1*	do. 17*
Layton	do. 3*	Oct. 9	Freehold	do. 12	do. 15
Newton	Apr. 17*	do. 9	Hammonton	do. 13	do. 15
Phillipsburg	do. 1	do. 15	Hightstown	do. 13*	do. 9
Sussex	do. 17*	do. 9*	Indian Mills	do. 13*	do. 15
The Red Sandstone Plain			Lakewood	do. 13	do. 9
			Maple Shade	do. 1*	....
			Moorestown	do. 1	Oct. 15
Boonton	Apr. 25*	Oct. 9*	Pemberton	do. 12*	do. 15*
Canoe Brook	May 16*	Sept. 18*	Pleasantville	do. 13*	do. 12*
Elizabeth	Apr. 13*	Oct. 9*	Runyon	May 11*	Sept. 18*
Flemington	do. 13	do. 15	Trenton	Apr. 11*	Nov. 4
Jersey City	Mar. 31*	....	Tuckerton	do. 11*	Oct. 15*
Lambertville	Apr. 10*	Oct. 9			
Little Falls	do. 13*	do. 9	*The Sea Coast*		
Newark	do. 11*	do. 15*			
New Brunswick	do. 13*	do. 15			
Paterson	do. 11*	do. 15	Atlantic City	Mar. 29*	Oct. 15*
Plainfield	do. 13*	do. 9	Long Branch	Apr. 1	do. 15
Ridgefield	do. 3*	do. 15	Sandy Hook	Mar. 29	Nov. 21
Somerville	do. 24	do. 15			

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1937

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	40.3	+9.4	72	9	6.30	+2.73	8.31	4.61	2.2	7.0
February	34.0	+3.3	65	4	2.30	−1.31	3.61	1.32	3.8	7.5
March	35.8	−3.3	66	7	2.75	−1.03	3.79	1.94	4.3	18.0
April	49.3	−0.4	85	16	4.64	+1.03	5.79	3.05	T.	T.
May	62.5	+2.1	96	28	3.12	−0.61	4.82	1.60	0.0	0
June	70.5	+1.7	99	41	4.66	+0.95	7.20	2.86	0.0	0
July	74.6	+0.9	103	43	2.83	−1.96	5.98	0.58	0.0	0
August	75.2	+3.4	100	45	6.82	+2.07	12.35	3.64	0.0	0
September	63.4	−2.5	98	29	2.63	−0.93	4.41	0.75	0.0	0
October	53.2	−1.5	84	15	5.25	+1.84	10.33	3.61	T.	T.
November	43.7	+0.1	72	10	4.56	+1.38	6.65	2.58	0.2	3.5
December	33.2	−0.5	70	0	1.75	−1.90	2.83	0.86	0.6	3.4
Year	53.0	+1.1	103	0	47.61	+2.26	12.35	0.58	11.1	18.0

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLIII. JANUARY, 1938. No. 1.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average temperature for the month was practically normal, it averaging 31.0 degrees which was 0.1 degree above the established normal. Warm periods of the month were from the 1st to 8th, 23d to 25th, and 30th to 31st, whereas the only period which could be categorized as a cold period was during the 18-19th. The balance of the month was about normal. The maximum temperatures recorded were all in the high fifties or low sixties and occurred either on the 25th or 30th. The minima ranged from 19 degrees below zero in the northern section to 17 degrees above along the coast, these being mostly recorded on the 19th.

The monthly precipitation was above normal for the fourth consecutive January. The rainfall was well distributed throughout the month, the heaviest occurring on the 7th and 25th. On these dates most stations recorded an amount in the neighborhood of an inch. The snowfall for this Winter continued to be deficient in amount, although some stations in the northern portion of the State experienced rather heavy falls which however, did not remain on the ground very long due to the advent of warm weather soon after its fall.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 31.0°, which was 0.1° above normal. The highest temperature was 68° at Canoe Brook on the 25th, and the lowest, —19°, at Layton on the 19th. The greatest daily range of temperature was 46° at Canoe Brook on the 25th. The highest monthly mean temperature was 36.6° at Tuckerton, and the lowest, 25.6° at Newton and Sussex.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +0.3°; Red Sandstone Plain, +0.9°; Southern Interior, +1.0°; Sea Coast, +1.9°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 3.64 inches, which was 0.07 inches above normal. The average total snowfall at 20 selected stations was 4.0 inches, which was 3.5 inches below normal. The greatest monthly precipitation was 5.72 inches, at Paterson, and the least, 2.58 inches at Camden. The greatest amount of precipitation in any 24 consecutive hours was 2.62 inches at Charlotteburg on the 24-25th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands. +0.47 inch; Red Sandstone Plain. +0.40 inch; Southern Interior, —0.35 inch; Sea Coast. —0.39 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 7, 17, 21, 22, 23.

SLEET: 1, 13, 17, 21, 22, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.07	30.44	31	29.24	25	14.6	51	se.	25	77	65	70	43
Long Branch	30.06	30.49	31	29.24	25	11.7	50	se.	25	73	63	69	33
Ridgefield	30.06	30.44	31	29.24	25		....	.....	....	....	....	....	....
Sandy Hook	30.05	30.43	9	29.24	25	14.3	55	s.	25	78	71	75	37
Trenton	30.06	30.49	31	29.25	25	8.9	34	se.	25	73	58	67	35

COMPARATIVE DATA FOR JANUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	....	......	......	......	.....
1886	27.3	60	−10	4.47	....	......	......	......	......
1887	28.4	67	−6	3.86	....	10	......	......	......
1888	25.4	59	−12	4.77	....	9	......	......	......
1889	36.2	60	8	5.68	....	9	......	......	......
1890	41.3	78	12	2.29	....	10	......	......	......
1891	34.2	59	10	6.57	....	10	10	11	10
1892	29.9	67	−6	5.13	....	10	10	9	12
1893	21.6	54	−21	3.04	....	9	10	10	11
1894	34.2	61	−4	2.34	....	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	....	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	0.8	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	1.50	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	20.3	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	22.8	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−14	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	42.4	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
1938	31.0	68	−19	3.64	4.0	12	10	7	14
Period	30.9	78	−34	3.57	7.5	10	11	8	12

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Climatological Data for January, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	28.6	+1.2	64	30	−4	19	44	3.41	−0.35	0.83	4.0	11	15	5	11	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	46	26.9	0.0	58	25	−12	19	36	4.89	+1.27	2.62	10.5	13	15	0	16	sw.	Newark Water Dept
Culvers Lake‡‡	Sussex	848	37	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Mrs. Frances Grover.
Dover	Morris	600	54	27.4[a]	+0.7	57	25	−7	19	32	4.18	+0.18	1.25	4.7	12	2	13	16	......	William C. Harris
Layton....(near)	Sussex	480	37	26.3	+1.3	59	30	−19	19	41	4.13	+1.15	1.81	11.0	10	6	4	21	ne.	A. M. Depue.
Long Valley	Morris	660	7	26.6	......	54	25	−8	19	32	4.62	......	2.00	7.8	10	16	5	10	n.	James E. Rice.
Newton	Sussex	769	55	25.6	−0.3	57	25	−9	19	28	3.58	+0.28	1.08	13.7	14	9	5	17	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	28.8	+0.4	59	25	−1	19	30	3.17	−0.21	0.51	5.3	13	12	5	14	......	Town Engineer.
Sussex	Sussex	442	43	25.6	−1.2	57	25	−14	19	34	3.96	+0.99	1.03	13.1	10	14	2	15	......	A. J. W. Mowatt
Means and extremes	......	......	....	27.0	+0.3	64	30	−19	19	44	3.99	+0.47	2.62	8.8	12	11	5	15	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§48	27.0	−0.1	59	24†	−3	19	42	3.59	+0.21	1.60	......	11	9	2	20	nw.	John Kline.
Canoe Brook	Essex	173	8	26.8	......	68	25	−15	19	46	4.33	......	2.03	....	11	11	9	11	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	...	4.38	−0.41	1.79	....	12	9	10	12	......	Paul Molitor. Sr.
Elizabeth	Union	45	59	31.7	+1.3	59	25	3	19	34	3.59	−0.11	1.05	7.3	13	14	3	14	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§52	30.6	+0.7	60	25	−2	19	33	3.24	−0.23	1.09	4.5	12	15	4	12	w.	Hiram E. Deats
Jersey City	Hudson	81	40	......	......	......	......	......	......	...	3.71	+0.01	1.26	6.7	13	11	9	11	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	......	......	......	......	......	......	...	......	......	......	......	...	...	...	...	......	Wm. J. Lauderdale.
Little Falls	Passaic	180	§35	29.4	+0.9	59	24	−6	19	40	4.97	+1.30	1.15	9.0	12	7	10	14	w.	Passaic Valley Water Co
Newark	Essex	10	3	31.0	+1.2	58	25	3	19	24	3.48	−0.18	0.99	5.6	13	6	11	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	85	85	31.0	+0.7	58	25	1	19	42	3.34	−0.06	1.03	3.1	12	12	5	14	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	40	20	......	......	......	......	......	......	...	3.88	+0.80	1.14	.....	9	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	31.0	+1.1	58	25	1	19	30	5.73	+2.18	2.23	6.9	13	14	3	14	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	30.8	+1.0	59	25	3	19	29	4.31	+0.66	1.20	7.1	14	6	11	14	nw.	S. K .Pearson.
Ridgefield	Bergen	80	21	29.6	+1.1	55	25†	1	19	27	3.20	−0.46	1.22	9.9	13	6	8	17	nw.	George P. Kirsten.
Somerville...(near)	Somerset	385	55	30.0	+1.0	58	25	−1	19	31	4.14	+0.62	1.30	......	12	14	8	9	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	100	20	......	......	......	......	......	......	...	4.48	+1.33	1.20	......	9	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	32.0	+1.1	56	30	5	18	25	3.37	−0.29	1.37	6.1	15	7	10	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	29.9	+0.9	68	25	−15	19	46	4.02	+0.40	2.23	6.7	12	10	7	14	nw.	
The Southern Interior.																				
Belleplain	Cape May	30	44	35.6	+2.6	59	25	9	10†	40	2.88	−0.66	1.42	T	7	8	12	11	nw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	34.4	+0.7	60	25	11	19	30	2.79	−0.66	1.19	0.5	10	10	6	15	nw.	Bennett K. Matlack
Burlington	Burlington	12	§52	33.4	+0.4	61	25	8	19	34	3.15	−0.42	1.04	0.3	9	13	5	13	nw.	Public Service G. & E. Co.
Camden	Camden	20	6	32.8	......	58	25†	9	19	32	2.58	......	0.71	2.0	9	9	6	16	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	32.0	......	59	25	3	19	28	3.53	−0.43	1.24	3.0	14	15	4	12	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	34.3	......	61	25	9	19	35	2.84	−0.90	1.01	0.5	11	12	8	11	nw.	J. G. Wilson.
Hightstown	Mercer	110	45	31.7	+1.6	59	25	3	19	30	2.84	−0.63	0.79	3.3	12	10	9	12	w.	James R. Pickering.
Indian Mills‡‡	Burlington	76	49	33.4	+1.3	60	25	9	10†	34	3.39	−0.58	0.96	0.8	12	8	12	11	nw.	James M. Armstrong.
Lakewood	Ocean	54	34	33.2	+1.7	61	25	10	19	32	3.67	−0.33	1.30	1.5	13	6	8	17	nw.	R. W. Holman.
Moorestown	Burlington	62	75	32.4	+1.5	61	25	8	19	31	2.75	−0.59	0.78	1.3	8	8	6	17	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	...	3.85	+0.71	1.62	T	11	...	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	34.0	......	59	25	9	19	29	2.97	......	0.85	2.0	10	4	11	16	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	33.2	......	59	25	8	19	32	3.21	......	1.20	0.5	11	12	7	12	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	11	§40	31.8[a]	−2.0	55	25	9	10	34	3.27	+0.07	1.70	......	8	13	5	13	sw.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	28.8	−2.4	59	25	0	19	43	3.58	+0.12	0.92	......	11	14	6	11	nw.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	32.2	+1.7	60	25	7	19	26	2.83	−0.48	0.94	2.5	15	2	15	14	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	32.0	......	59	25	6	19	31	3.90	......	1.38	2.5	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	36.6	+3.7	58	1†	11	28	30	3.50	−0.17	1.70	T.	11	14	6	11	nw.	John H. Brown.
Philadelphia, Pa.	......	26	67	33.6	+1.0	58	25	11	19	26	2.32	−0.98	0.72	2.3	11	7	8	16	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	33.0	+1.0	61	25	0	19	43	3.20	−0.35	1.70	1.3	17	10	8	13	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	35.8	+3.3	53	25	17	19	21	3.26	−0.23	1.78	T	14	4	12	15	w.	U. S. Weather Bureau
Long Branch	Monmouth	25	30	32.6	+1.1	60	25	12	19	34	3.83	−0.31	1.26	2.8	16	3	9	19	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	32.6	+1.3	55	30	12	19	24	3.32	−0.64	1.37	2.9	15	7	7	14	nw.	U. S. Weather Bureau
Means and extremes	......	......	....	33.7	+1.9	60	25	12	19	34	3.47	−0.39	1.78	1.9	15	5	10	16	nw.	
For the State	......	......	....	31.0	+0.1	68	25	−19	19	46	3.64	+0.07	2.62	4.0	12	10	7	14	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, [a], [b] [c], etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-3-16-38-900

Daily Precipitation for January, 1938

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware	.70	.10					.44			T.	.14	T.	.23			T.	.08				.04	.46		.16	.83						.23	3.41
Charlotteburg	Passaic	.59	.05					.64			.02	.05	.09	.22			*	.09					.36		.02	2.60						.16	4.89
Culvers Lake	Delaware																																
Dover	Passaic	.38						.63			.05	.03	.15	.18				.07				.20	.38		.62	1.25						.24	4.18
Layton	Delaware	.91	.36					.89			T.	T.	T.	.16				.10	T.			*	.36		.70	1.11						.04	4.13
Long Valley	Raritan	.44						.52			.11	.10	T.	.30				.07				.28	.40			2.00						.40	4.62
Newton	Delaware	.85	.04					.59			02	.10	.02	.10			T.	.10				.10	.24	.03	.06	1.08	T.	T				.25	3.58
Phillipsburg	...do	.49						.42			.18	.08	.22	.12	T	T.	T	.08				.36	.05	.04	.51	.43		T.			T.	.19	3.17
Sussex	Hudson	1.03	.05					.80			T.	.30	T.	.24			T.	.29				*	.31		.04	.90						T.	3.96
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	.32	.19					.66				.02	.02	.25		T.			.01				.36			1.60	.10					.06	3.59
Canoe Brook ‖	...do	.05	.32					.75				.05	.03	.38		.04		T.	.08				.33			2.03						.27	4.33
Chatham ‖	...do	.20	.18					1.02			.12	.09	.32			.04		T.	.03				.82			1.79	.11					.16	4.38
Elizabeth	Coast	.19	.08					1.05			.03	.04	.01	.28	T.	.03		.10	T.			.09	.21			1.02						.46	3.59
Flemington	Raritan	.12	.22					.59			.05	.05	T.	.28		T.		.03				.10	.40		.03	1.09						.28	3.24
Jersey City	Coast	.25	.01					1.26			.02	.04	T.	.30	.02	.01	T.	.09		T.	T.	.25	.03		T.	1.10				T.		.33	3.71
Lambertville	Delaware																																
Little Falls ‖	Passaic	.31	.16					1.15				.02	.02	.29		.01			.06				.36	T.		2.32	.06					.21	4.97
Newark***	Coast	.22	T				.08	.91	T.		.01	.01	.24	.04	.02	T.	T.	.01		T.	T	.31	T.		.40	.76						.47	3.48
New Brunswick	Raritan	.14	.12					.80			.03	.06	T.	.22		.04		.03	T.			.07	.40		T.	1.03	T					.40	3.34
New Milford**	Hackensack	.34						1.14					.14	.08				.06				.40			.57	.81						.34	3.88
Paterson	Passaic	1.30	.11					1.20			T.	.02	.10	.14				.09	.01			.08	.03		.04	2.23						.38	5.73
Plainfield	Raritan	.24	.03					1.06			.03	.06	.10	.23	.04			.06				.30	.18		.40	1.20						.38	4.21
Ridgefield**	Hackensack	.20	.04					1.22			.04	.02	.15	.14	.03	T.	T.	.08				.15	.14		.07	.92					T	T	3.20
Somerville	Raritan	.60						.90			.02	.05		.12		.04		.03				*	.48		1.30	.20						.40	4.14
Woodcliff Lake**	Hackensack	.38						1.20					.11	.10				.04				.42			.85	1.09						.29	4 48
New York, N. Y***	Coast	.19	.01				.04	1 33			.03	.01	.23	.08	.05	T.	T.	.08		T.	T	.37	.01		.17	.36				T.		.41	3.37
The Southern Interior.																																	
Belleplain	Tuckahoe	.12	.32					1.42				T.		.10							T.	T.	.18		T.	.44						.30	2.88
Bridgeton	Delaware	.14	.21					1.19				.08	T.		.06			T.			.02	.14		T.		.45						.32	2.79
Burlington	Delaware	.14	.07					1.04			T.	.03	T.	.13		T.		T.				T.	.44		.06	.84						.40	3.15
Camden**	...do	.21					.08	.71			T.	.06	.11					T.		T		.27			.43	.82						.39	2.58
Freehold	Raritan	.10	.08					1.24			T.	.10	.06	.23		.02	T.	.04	T.	.01	T	.05	.41		.03	.75						.41	3.58
Hammonton	Mullica	.16	T.	T.				.88				.06	.06	.07		T.		.02	T.		T.	.08	.03		.07	1.01						.40	2.84
Hightstown	Raritan	.11	.10					.72			.01	.03	T	.22		T.		.02	T.	T.	T.	.09	.29		.03	.79	T.					.43	2.84
Indian Mills	Mullica	.06	.24					.88				.12	.06	.12				T			T	.05	.22		.06	.96	.05					.57	3.39
Lakewood	Metedeconk	.12	.13					1.30			T.	.10	T	.28		.03		.03			.03	.10	.27		.05	.75						.48	3.67
Moorestown	Delaware	.28					.78			T.	T.	.14	.10					T.			T.	.27			.72	.10					T.	.36	2.75
Northfield	Coast	.08	.37					1.62				.08	T.	.04				T.			T	.10	.13	.03	.03	.60	T.					.17	3.85
N. Merchantville	Delaware	.15	.09					.80			T.	.10	T.	.11				T		T.	T.	.14	.17		.14	.85	T.					.42	2.97
Pemberton	Delaware	.11	.10					.86			T.	.08	T.	.13		T.		T.				.05	.25		.03	1.20	.02					.38	3.21
Pleasantville ‖	Coast	.05	.40					1.70					.11	.08		T.			T.		T.		.26	T		.65	.02						3.27
Runyon	Coast	.28						.92				.04		.33	.12			.07				*	.46			.92	.05					.39	3.58
Trenton***	Delaware	.18	.01				.10	.84			.02	.07	.15	.03	.01	T.		.01			T	.52	.01		.21	.33		T.	T.			.34	2.83
Trenton No. 2**	...do	.21					.02	1.07			T.	.12	.11	.04	T.	T.		.01			T.	.51			.55	.83			T.			.43	3.90
Tuckerton	Coast	.05	.12					1.70				.12		.11		T.		.08	.04		T.		.35			.56	.02					.35	3.50
Phila., Pa***	Delaware	.24	T.				.03	.69	T.		T.	.19	.11	T	T.			.02		.01		.28	T.		.20	.20						.35	2.32
The Sea Coast.																																	
Atlantic City***	Coast	.19	.28				.10	1.68				.09	.01	.03	T.	T.		.01	T.	T.	.01	.21	.01		.18	.32	T.					.14	3.26
Long Branch**	...do	.17	.02				.07	1.19			.02	.04	.36	.02	.03	.03		.05		T.	T.	.34	.01		.26	.80	T.					.42	3.83
Sandy Hook***	...do	.16	.02				.06	1.31			.01	.04	.26	.06	.06			.04				.41	.01		.22	.28						.38	3.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pleasantville**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for January, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	39	41	32	35	42	41	42	43	31	26	31	31	35	38	35	31	31	26	19	32	35	44	40	41	59	40	28	30	31	64	49	36.8
	Minimum	24	26	24	18	21	20	35	28	16	15	22	23	23	20	19	14	25	3	−4	14	13	30	31	22	38	20	15	12	13	20	31	20.4
Charlotteburg	Maximum	39	39	37	36	42	49	49	44	36	30	23	26	37	36	32	29	29	26	24	37	37	36	43	42	58	41	24	22	30	53	54	36.8
	Minimum	23	26	25	10	20	16	32	24	10	9	11	21	23	21	16	11	20	2	−12	17	10	26	30	14	28	18	12	8	−6	17	46	17.0
Dover	Maximum	31	38	34	35	42	48	49	39	31	25	25	26	32	34	30	31	32	....	24	39	34	34	44	46	57	37	25	23	32	52	51	36.0ª
	Minimum	26	27	20	15	19	19	34	25	15	18	21	23	27	22	14	13	21	2	−7	19	12	29	27	18	34	17	13	9	10	20	26	18.8
Layton	Maximum	36	37	38	33	40	48	45	38	34	25	25	25	38	38	30	30	30	26	20	39	26	36	58	45	58	38	30	20	32	59	54	36.5
	Minimum	19	25	20	8	21	13	31	24	8	10	15	21	21	17	14	11	21	−1	−19	6	6	24	29	31	36	18	12	5	8	18	27	16.1
Long Valley	Maximum	28	38	36	35	42	48	48	34	27	28	26	26	39	37	27	33	32	14	28	38	36	38	44	44	54	26	26	20	34	46	44	34.7
	Minimum	22	22	22	14	20	20	40	22	10	12	20	20	22	19	19	13	22	0	−8	15	17	24	27	24	45	17	8	6	16	14	30	18.5
Newton	Maximum	26	34	35	32	35	41	47	40	28	24	23	26	35	33	27	29	29	16	12	39	32	34	46	44	57	37	23	23	29	52	50	33.5
	Minimum	17	25	22	17	24	20	34	24	12	16	15	19	20	21	16	9	15	−1	−9	11	17	25	28	24	31	17	11	7	11	25	28	17.8
Phillipsburg	Maximum	35	37	33	35	43	46	40	47	38	27	29	31	39	36	31	34	34	23	28	35	33	35	44	48	59	34	26	26	33	53	50	36.8
	Minimum	27	30	24	22	24	22	26	26	18	18	24	24	24	25	21	18	21	6	−1	9	16	30	18	19	34	20	16	16	18	23	28	20.9
Sussex	Maximum	31	36	34	32	41	38	49	41	31	25	26	23	36	35	31	29	30	23	12	39	37	36	43	43	67	44	25	21	30	52	61	34.9
	Minimum	26	24	24	7	22	13	31	25	13	10	16	19	17	12	15	10	19	−3	−14	7	7	22	29	14	40	19	13	9	8	18	30	16.2
The Red Sandstone Plain.																																	
Boonton§§	Maximum	34	40	36	36	43	47	49	35	28	26	26	30	39	34	30	30	32	17	24	41	33	35	45	59	59	28	26	23	33	54	49	36.2
	Minimum	26	24	25	16	18	20	20	28	17	15	17	23	24	21	20	14	19	3	−3	−1	11	22	24	19	22	23	16	12	10	20	24	17.7
Canoe Brook§§	Maximum	42	18	37	40	45	49	51	36	30	26	27	35	38	35	33	33	31	27	25	43	34	34	48	59	68	29	27	25	34	55	60	38.5
	Minimum	26	25	22	14	16	15	23	24	11	9	18	23	20	16	8	9	20	3	−15	4	6	21	26	14	22	12	15	11	8	16	25	15.1
Elizabeth	Maximum	36	44	46	44	50	54	54	53	40	34	33	38	46	38	33	35	34	28	25	41	36	35	46	46	59	43	30	26	36	57	55	41.1
	Minimum	27	28	26	20	22	21	35	28	26	15	23	24	25	22	20	13	26	7	3	22	17	31	27	24	40	23	15	13	12	23	32	22.3
Flemington	Maximum	35	44	39	38	48	48	53	41	33	27	28	29	43	37	34	35	35	30	22	41	33	35	50	43	60	42	30	30	38	55	52	39.0
	Minimum	28	29	28	20	24	21	34	27	15	15	23	25	25	20	21	17	29	8	−2	20	14	30	32	22	40	24	15	15	14	22	32	22.2
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lambertville	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Little Falls§§	Maximum	40	42	40	36	46	48	54	42	31	26	27	32	40	36	33	32	31	20	27	46	37	43	50	59	58	29	27	27	49	57	51	39.2
	Minimum	24	26	24	18	21	20	28	28	17	15	20	23	22	25	18	14	27	3	−6	6	15	24	25	19	25	23	16	12	13	22	44	19.7
Newark	Maximum	34	43	37	36	46	49	53	44	29	28	27	32	39	35	30	34	34	19	25	41	36	36	45	50	58	34	27	24	35	57	52	37.7
	Minimum	29	31	27	24	29	28	41	28	20	20	25	26	29	28	18	16	19	5	3	24	24	32	33	28	34	20	16	16	16	33	29	24.2
New Brunswick	Maximum	46	43	39	36	46	53	48	43	32	26	28	31	38	37	32	55	35	27	24	38	34	34	45	47	68	42	24	23	34	55	53	38.9
	Minimum	29	29	28	20	27	22	39	29	18	14	23	25	26	25	20	13	27	9	1	23	21	30	29	24	41	24	16	15	13	25	32	23.1
Paterson	Maximum	36	41	38	36	45	44	51	45	36	27	28	29	40	37	36	31	32	25	24	40	34	36	40	48	58	43	28	27	33	56	54	38.0
	Minimum	26	29	29	22	28	25	38	30	19	19	24	26	25	29	24	17	25	6	1	23	23	23	30	25	42	24	18	13	17	26	34	23.9
Plainfield	Maximum	34	43	37	37	46	51	52	40	32	27	28	32	41	37	35	34	33	22	25	41	34	35	46	50	59	38	28	27	35	57	51	38.3
	Minimum	28	28	28	22	25	24	35	30	18	16	24	26	27	22	23	16	22	7	3	24	20	32	31	27	38	25	16	15	14	28	30	23.4
Ridgefield	Maximum	33	41	37	37	44	49	50	39	29	27	27	30	38	38	30	31	33	15	25	38	35	35	45	51	55	32	26	25	36	55	52	36.7
	Minimum	26	30	25	23	30	25	38	27	18	18	16	25	25	29	23	15	15	3	1	22	23	31	31	24	32	19	17	14	16	35	26	22.6
Somerville	Maximum	32	41	39	36	46	52	52	46	34	31	30	29	40	38	34	34	40	28	28	41	35	34	48	45	58	44	27	27	35	55	65	39.2
	Minimum	28	29	25	18	26	21	38	25	13	12	22	23	26	21	18	12	28	5	−1	19	20	22	28	22	34	22	14	11	11	24	32	20.9
New York, N. Y	Maximum	36	43	38	38	44	50	54	41	30	29	31	36	39	36	31	35	38	19	30	40	41	39	46	50	56	34	28	26	37	56	53	38.8
	Minimum	30	32	29	27	32	35	41	27	19	22	27	25	27	28	17	16	19	5	7	23	29	31	32	37	34	19	17	15	18	35	28	25.3
The Southern Interior.																																	
Belleplain	Maximum	58	52	48	45	50	56	55	52	48	49	46	42	41	38	37	39	42	42	40	43	41	40	51	53	59	55	33	30	49	57	56	46.7
	Minimum	39	45	24	16	19	20	41	27	13	9	27	29	30	27	21	14	34	22	9	25	17	33	30	24	46	23	16	11	9	29	32	24.5
Bridgeton	Maximum	59	50	42	44	51	55	49	45	31	38	33	39	41	38	34	39	38	34	32	42	38	89	53	54	60	41	29	28	42	59	49	42.8
	Minimum	36	32	25	22	25	25	41	28	20	15	28	27	31	28	25	18	32	21	11	24	22	33	28	30	39	25	19	16	15	29	34	25.9
Burlington	Maximum	43	45	42	40	47	57	50	45	34	31	32	37	40	38	34	36	37	33	27	40	39	38	47	53	61	43	31	26	38	58	52	41.1
	Minimum	34	29	29	22	27	23	39	31	20	15	25	27	34	31	26	20	31	16	8	23	21	32	30	27	42	27	18	16	15	27	34	25.7
Camden	Maximum	44	14	39	41	49	57	50	37	29	33	30	36	40	37	33	38	35	26	27	40	38	37	50	52	58	32	29	26	38	58	65	39.9
	Minimum	33	33	25	25	30	25	39	28	21	17	27	26	32	30	23	22	27	12	9	25	25	33	30	28	34	21	19	18	19	30	32	26.7
Freehold	Maximum	41	45	38	39	45	53	51	43	30	28	29	36	38	37	32	35	35	28	25	39	36	36	49	49	59	42	27	25	37	57	55	39.3
	Minimum	36	31	27	22	26	26	39	29	18	15	24	26	27	27	19	15	28	11	3	23	23	31	35	29	41	23	17	16	14	29	33	24.6
Hammonton	Maximum	44	44	39	39	47	57	52	47	35	36	34	40	41	42	35	40	38	35	31	42	40	39	51	55	61	46	29	28	43	59	57	42.8
	Minimum	35	32	35	22	27	22	40	29	18	13	25	27	31	29	24	18	33	20	9	25	21	33	30	25	45	25	18	18	14	28	33	25.8
Hightstown	Maximum	40	44	39	37	45	54	51	44	31	29	28	34	38	37	32	35	35	29	25	40	36	34	46	49	59	43	27	26	37	56	54	39.2
	Minimum	32	30	27	22	28	24	39	29	18	15	24	25	26	25	21	15	28	12	3	23	20	32	32	24	41	24	17	17	16	29	32	24.2
Indian Mills	Maximum	49	48	40	43	51	56	51	47	33	34	33	40	44	38	34	39	35	34	30	40	40	38	49	53	60	43	29	26	42	69	55	42.4
	Minimum	38	32	26	19	22	22	40	30	18	9	26	27	31	28	21	17	33	17	9	24	18	33	31	25	43	26	17	11	10	25	33	24.5
Lakewood	Maximum	45	46	38	42	50	54	54	42	31	32	31	38	41	37	35	37	38	31	28	42	38	40	46	49	61	42	30	28	40	60	55	41.3
	Minimum	39	33	26	20	24	22	35	29	19	13	26	28	30	29	22	16	31	17	10	25	19	29	32	23	41	26	19	18	13	32	33	25.1
Moorestown	Maximum	44	44	39	37	44	56	50	41	28	33	30	36	39	34	33	37	35	26	27	40	37	37	47	57	61	35	27	26	38	57	57	89.7
	Minimum	32	31	28	24	27	26	40	28	20	16	26	25	30	29	21	20	26	12	8	23	23	29	30	28	35	25	18	16	17	29	33	26.0
N. Merchantville	Maximum	43	43	41	41	49	57	51	44	33	34	32	35	40	38	35	38	36	32	26	37	38	37	50	52	59	42	29	27	39	58	56	41.0
	Minimum	35	31	29	25	30	28	41	32	20	18	26	26	31	30	26	21	32	18	9	24	25	33	32	29	42	25	18	17	19	30	34	27.0
Pemberton	Maximum	46	46	40	41	48	57	52	44	31	32	31	38	41	37	35	38	36	32	28	42	37	36	49	52	59	44	29	28	40	58	56	41.4
	Minimum	39	28	24	21	23	25	40	30	19	13	25	26	29	29	23	18	31	15	8	24	19	32	31	27	43	25	18	15	14	31	33	25.1
Pleasantville§§	Maximum	53	49	41	41	51	54	53	37	32	36	35	41	41	37	35	40	42	47	33	43	40	38	50	54	55	35	31	30	41	48	54	41.8
	Minimum	31	34	23	17	19	20	21	28	15	9	....	30	31	24	23	16	22	22	12	14	17	28	31	22	33	26	14	11	10	22	38	21.8ª
Runyon	Maximum	34	36	44	38	49	55	51	38	41	28	28	30	36	36	32	32	32	28	26	32	34	34	46	46	59	44	32	26	34	58	38	38.0
	Minimum	29	29	26	12	17	13	27	22	14	6	18	20	26	26	24	10	26	10	0	10	32	32	12	28	39	26	16	8	3	15	34	19.7
Trenton	Maximum	41	44	36	38	48	56	51	39	29	30	28	37	39	35	31	36	35	24	26	39	36	35	47	55	60	35	25	24	36	56	54	38.9
	Minimum	31	32	27	26	29	30	39	29	19	20	25	25	30	29	20	19	24	10	7	23	26	32	32	30	35	21	18	17	19	32	30	25.4
Trenton No. 2	Maximum	40	45	39	39	47	56	52	39	30	31	30	36	39	37	33	37	35	26	26	40	36	35	48	55	59	37	25	27	38	57	53	39.6
	Minimum	31	31	26	26	29	25	38	26	19	16	25	26	29	28	19	18	26	12	6	23	23	32	31	26	37	21	17	15	18	31	31	24.5
Tuckerton	Maximum	58	58	48	45	58	55	55	49	48	38	40	44	45	40	38	40	39	35	36	44	40	42	50	51	56	60	32	29	45	56	56	45.8
	Minimum	40	38	28	27	26	26	40	28	21	15	28	32	32	30	25	17	33	17	12	21	28	35	33	32	44	30	12	11	16	34	36	27.3
Philadelphia, Pa	Maximum	43	43	41	42	47	57	51	36	30	33	30	37	40	36	34	36	37	27	28	43	38	37	50	56	58	34	26	28	36	56	55	40.2
	Minimum	32	33	29	28	31	33	36	29	21	23	28	27	32	30	22	20	27	13	11	24	30	34	34	34	34	20	19	18	20	33	29	26.9
The Sea Coast.																																	
Atlantic City	Maximum	50	45	41	45	51	50	52	43	31	36	37	41	41	39	36	40	43	30	36	41	41	40	52	50	53	39	30	28	39	47	53	41.9
	Minimum	36	34	30	32	38	39	42	28	22	23	32	33	33	30	23	20	30	20	17	28	31	35	32	39	39	23	20	17	21	39	32	29.6
Long Branch	Maximum	43	45	37	40	47	48	53	41	30	29	30	38	38	36	33	34	36	26	33	39	39	36	46	49	60	36	28	26	38	55	54	39.5
	Minimum	34	33	26	26	29	28	41	28	17	16	28	29	29	29	20	16	26	16	12	27	24	33	31	30	36	20	18	15	15	34	29	25.6
Sandy Hook	Maximum	41	43	36	38	44	46	51	40	28	28	29	37	39	35	31	35	36	26	28	36	37	34	42	50	54	37	27	24	35	55	54	37.9
	Minimum	33	34	32	29	33	34	40	28	22	23	27	27	31	28	20	20	25	15	12	28	29	33	33	33	37	22	19	17	21	34	30	27.4

ª, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

Vol. XLIII. February, 1938. No. 2.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average temperature for the month, 35.5 degrees, ranks this February as one of the warmest on record since the computation of State means began. The highest temperatures were mostly in the sixties and occurred generally during the second decade. The minima were mostly recorded in the latter part of the month, varying from 6 to 17 degrees. This was one of the few months of February where the minimum temperature did not drop below the zero mark somewhere in the State.

Precipitation was below normal. The State averaged only 64 percent of the amount which could be expected. The percentages of the normal amounts for the various subdivisions were as follows: The Highlands, 70%; The Red Sandstone Plain, 58%; The Southern Interior, 71%; The Sea Coast, 62%. The periods of precipitation were generally during the 3d-4th, 6-7th, 9-10th, 13th, 18-20th, 22d-24th and the 27-28th, the heaviest amounts being recorded during the latter part of the month. The snowfall during the month was negligible as has been characteristic of this Winter, very few stations reporting as much as two inches, and the majority recording less than one inch. A few stations reported sleet, but none had any of serious consequence. No damage from wind was reported.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 37 stations, was 35.5°, which was 4.8° above normal. The highest temperature was 70° at 4 stations on either the 14th or 18th, and the lowest, 6°, at Newton on the 28th. The greatest daily range of temperature was 46° at Pleasantville on the 18th. The highest monthly mean temperature was 40.6° at Tuckerton, and the lowest, 30.6° at Newton.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +3.0°; Red Sandstone Plain, +2.9°; Southern Interior, +3.2°; Sea Coast, +3.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 2.31 inches, which was 1.30 inches below normal. The average total snowfall at 20 selected stations was 1.1 inches, which was 7.7 inches below normal. The greatest monthly precipitation was 3.90 inches, at Burlington, and the least, 1.78 inches at Newark. The greatest amount of precipitation in any 24 consecutive hours was 1.88 inches at Moorestown on the 19th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, —0.26 inch; Red Sandstone Plain, —0.55 inch; Southern Interior, —0.68 inch; Sea Coast, —0.92 inch.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 3, 4, 6, 13, 14, 23.

Sleet: 11, 20, 22, 27.

Thunderstorms: 20.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p. m.	
Atlantic City	30.22	30.79	2	29.44	28	17.0	53	ne.	20	76	65	70	46
Long Branch	30.20	30.85	2	29.35	28	12.6	54	nw.	28	73	61	67	52
Ridgefield	30.19	30.83	2	29.35	28	....	....	....	....	....	....	....	....
Sandy Hook	30.19	30.83	2	29.34	28	15.2	52	nw.	28	77	72	74	43
Trenton	30.21	30.82	2	29.39	27	9.7	34	nw	28	72	60	66	46

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	**39.9**	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	−31	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
1938	35.5	70	6	2.31	1.1	10	9	6	13
Period	30.7	80	−31	3.61	8.8	9	11	7	10

Climatological Data for February, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	34.8^{a}	+6.9	61	7	11	28	31	2.70	−0.86	0.70	2.0	8	12	4	12	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	46	33.4	+7.0	60	18	7	2	33	2.14	−1.55	0.48	0.0	9	13	1	14	e.	Newark Water Dept
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	....	....	1.99	−0.97	0.60	2.0	8	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	32.4^{b}	+5.5	58	18	8	28	25	2.44	−1.33	0.51	0.3	11	7	8	13	......	William C. Harris
Layton....(near)	Sussex	480	37	31.3	+6.2	60	18	7	28	30	2.18	−0.81	0.66	8.0	7	7	4	17	ne.	A. M. Depue.
Long Valley	Morris	660	7	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	James E. Rice.
Newton	Sussex	769	55	30.6	+3.6	55	18	6	28	27	2.19	−0.96	0.61	2.5	12	6	6	16	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	33.8	+5.0	57	6†	12	28	24	2.27	−1.04	0.61	0.5	10	9	3	16	......	Town Engineer.
Sussex	Sussex	442	43	31.6	+5.1	55	18	9	21†	28	2.46	−0.50	0.70	0.2	8	10	5	13	......	A. J. W. Mowatt
Means and extremes	......	......	....	32.4	+5.6	61	7	6	28	33	2.30	−1.00	0.70	1.9	9	9	5	14	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§48	31.0	+3.3	57	14†	13	2	40	1.95	−1.35	0.45	......	11	12	1	15	nw.	John Kline.
Canoe Brook	Essex	180	8	32.6	......	60	18	12	2†	37	2.30	......	0.67	......	12	11	7	10	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	...	2.38	−1.49	0.90	......	11	11	6	11	......	Paul Molitor, Sr.
Elizabeth	Union	34	59	37.2	+6.2	66	8	13	28	42	2.01	−1.85	0.48	T.	12	11	3	14	n.	Union County Park Comm
Flemington	Hunterdon	140	§52	35.4	+5.5	63	18	13	28	32	2.31	−1.01	0.81	3.0	12	13	4	11	n.	Hiram E. Deats
Jersey City	Hudson	81	40	......	......	......	......	......	......	....	1.99	−1.94	0.42	T.	11	8	7	13	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	34.7	+4.1	63	18	11	28	34	2.55	−0.83	1.14	4.0	8	12	8	8	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§55	33.6	+4.3	60	18	12	28	32	2.19	−1.61	0.58	0	12	10	4	14	w.	Passaic Valley Water Co
Newark	Essex	10	3	35.0	+5.8	60	14	12	28	24	1.78	−1.67	0.53	T.	11	4	7	17	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	35.3	+4.3	63	18	12	28	31	2.12	−1.25	0.69	0.5	9	11	7	10	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	1.92	−1.27	0.45	......	10	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	35.5	+4.9	58	14†	13	28	24	2.31	−1.67	0.42	0.0	14	9	8	11	ne.	E. Stanulis, Evening News
Plainfield	Union	120	50	35.2	+5.9	60	14†	11	28	28	2.05	−1.70	0.57	T	9	10	3	15	nw.	S. K. Pearson.
Ridgefield	Bergen	80	21	33.8	+5.0	57	14	11	28	24	2.03	−1.87	0.40	0.2	13	7	9	12	nw.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	34.6	+5.2	60	18	11	28	31	......	......	......	......	....	14	8	6	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	1.81	−1.51	0.36	......	11	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	35.6	+4.3	59	18	10	28	25	2.24	−1.58	0.92	T.	11	6	6	16	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	34.5	+4.9	66	8	11	28	42	2.11	−1.50	1.14	0.8	11	10	6	12	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	......	......	......	......	......	......	....	1.86	−1.47	0.70	T.	4	8	7	13	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	38.9	+4.8	70	18	17	16	38	2.91	−0.31	1.23	1.8	7	15	6	7	nw.	Bennett K. Matlack
Burlington	Burlington	12	§52	37.8	+5.5	66	6†	16	28	34	3.90	+0.58	0.97	2.0	12	12	2	14	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	36.8	...	66	18	16	28	31	2.70	......	1.32	3.2	7	11	4	13	ne.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	36.4	......	65	18	13	28	33	2.57	−1.57	0.94	0.4	9	13	6	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	38.6	......	69	18	15	16†	39	1.81	−1.43	0.68	2.2	9	10	4	14	nw.	J. G. Wilson.
Hightstown	Mercer	110	45	35.9	+5.6	63	6†	14	28	33	2.15	−1.24	0.80	0.7	10	9	6	13	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	49	37.8	+5.3	70	18	13	16†	42	2.68	−0.99	1.21	1.5	9	7	14	7	w.	James M. Armstrong.
Lakewood	Ocean	54	34	37.6	+6.6	68	18	15	16†	37	2.42	−1.47	0.75	1.0	10	6	5	17	sw.	R. W. Holman.
Moorestown	Burlington	62	75	37.0	+5.2	67	18	16	28	35	2.80	−0.45	1.88	3.5	7	7	6	15	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	...	2.06	−0.78	0.81	0.9	9	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	38.0	......	68	18	16	28	34	2.82	......	1.14	3.0	12	7	7	14	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	37.8	......	69	18	15	28	37	2.30	......	1.02	1.0	9	9	6	13	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	36.4	+3.4	69	18	12	16	46	2.40	−0.50	0.68	......	9	14	4	10	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	35.2	+5.2	64	6†	9	17	43	2.36	−1.13	0.71	......	8	12	8	8	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	35.6	+4.9	64	6	13	28	31	2.17	−1.10	1.33	3.0	10	6	4	18	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	35.8	......	64	18	15	28	31	2.48	......	1.03	2.1	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	40.6	+8.2	70	14†	15	16	35	2.31	−1.18	0.92	T.	9	15	3	10	ne.	John H. Brown.
Philadelphia, Pa	......	26	67	37.4	+3.5	65	18	15	28	31	2.54	−0.78	1.54	4.1	10	6	8	14	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	37.3	+5.5	70	14†	9	17	46	2.48	−1.01	1.88	1.6	9	10	6	12	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	38.8	+5.2	70	14	17	28	30	2.19	−1.17	0.85	0.3	10	6	8	14	nw.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	36.8	+5.6	66	6	11	28	27	2.52	−1.61	0.92	0.1	13	6	6	16	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	35.5	+3.4	57	6	14	28	22	2.22	−1.53	1.26	0.4	11	6	6	16	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	37.0	+4.7	70	14	11	28	30	2.31	−1.44	1.26	0.3	11	6	7	15	nw.	
For the State	......	......	....	35.5	+4.8	70	14†	6	28	46	2.31	−1.30	1.88	1.1	10	9	6	13	nw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-4-13-38-900

Daily Precipitation for February, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware			.29				.67		.12				.41					T.	.23	.70			.20				.08					2.70
Charlotteburg	Passaic			.22				.47		.03	.10			.26					.04	.34	.48			.20									2.14
Culvers Lake	Delaware			.25				.60		.06	.04			.30						.04	.55		T.	.15				T.					1.99
Dover	Passaic			.32			.17	.34		.17				.33					.04	.36	.40		.04	.25		T.		.02					2.44
Layton(near)	Delaware			.41	T			.42		.08	T.			.33	T.						.66		*	.28	T.			T.					2.18
Long Valley	Raritan																																
Newton	Delaware			.28	T.		T.	.61		.12	.16			.30	T.				.03	.06	.33		.02	.20	.03	T.		.05	T.				2.19
Phillipsburg	...do			.19			.34	.09		.14	T.	T.	T	.10					T	.42	.61		.08	.23		T.		.07	T.				2.27
Sussex	Hudson			.55				.70		.20	.06			.40						*	.50			.05				T.					2.46
The Red Sandstone Plain.																																	
Boonton‖	Passaic	.14			.26			.36	T.		.11			.16	.10				T.	.09	.45	.02		.06	.20				T.				1.95
Canoe Brook‖	....do	.27			.20			.22	T.		.08		T	.16	.14				T.	.08	.67	.10		.07	.24			T.	.07				2.30
Chatham‖	....do	39			.21			.20			.03			.12	.08				T	.09	.90			.12	.19				.05				2.38
Elizabeth	Coast			.16	.06			.20		.04	.04			.21	T.				T.	.40	.48			.39	.01			.01	.01				2.01
Flemington	Raritan			.07	.09			.31		.04			.02	.14					.02	.42	.81		T.	.32	.04	T.		.03					2.31
Jersey City	Coast			.24	.01			.14		.03	.09	T.	T.	.29	T.				.01	.40	.42			.31	.05	T.		T.	T.				1.99
Lambertville(nr.)	Delaware			.14	.06					.15	.03		T.	.08						.61	1.14							.34					2.55
Little Falls.‖	Passaic	.17			.20			.33			.08			.16	.12				.02	.19	.58			06	27				.01				2.19
Newark***	Coast			.22	T.		.15	.03		.09	T.	T.	T.	.34	T			T.	.01	.38	.17		.07	.31				.01	T.				1.78
New Brunswick	Raritan			.14	T.			.18		T.	.03			.14	T.					.69	.51			.40	T.	T.		.01	.02				2.12
New Milford**	Hackensack			.36			.24	.03		.06				.25						.45	.17		.04	.29				.03					1.92
Paterson	Passaic			25	.03			.31		.07	.05			.27	.02			.04		.41	.39			.37	.05			.04	.01				2.31
Plainfield	Raritan			.20			T.	.20		.07	.01	T.	T.	.15					T.	.46	.57		.03	.36	T.	T.		T.	T.				2.05
Ridgefield**	Hackensack			.25			*	.18		.05	.07			.33					.03	.30	.40		.10	.29				.02	.01				2.03
Somerville(near)	Raritan																																
Woodcliff Lake**	Hackensack			.27			.26	.03		.07	.03			.24						.36	.21		.05	.27				.02					1.81
New York, N. Y***	Coast			.25			.15	.02		.12		T.	T.	.31	T.			T.	.01	.59	.37		.08	.33		T.		.01	T				2.24
The Southern Interior.																																	
Belleplain	Tuckahoe							T.				T.	T.	T.						.60	.40		.16	.70	T.	T.							1.86
Bridgeton	Delaware			.10				.05				T.	.10	.02	T.					.67	1.23			.74				T.					2.91
Burlington	Delaware			.30	.20			.40		.10	.10	T	.03	.03						.97	.70			.47	.20			T.	.40				3.90
Camden**	..do			T.			.05	T.		T.	T.	T.	.02	T.						1.32	.75		.04	.50		T.		.02					2.70
Freehold	Raritan			.09				.16			.02			.07						.73	.94			.48	.04			.04	T				2.57
Hammonton	Mullica				T.			.05		T.		T.	.14	.02						.42	.40		.05	.68	.03	T.		T.	.02				1.81
Hightstown	Raritan			.03	.05		T	.12		.01	T.	T.	T.	.04					T.	.73	.80		T.	.35	.01	T.		.01	T.				2.15
Indian Mills	Mullica				.04			.12					.14	.05						.32	1.21		T.	.40	.34			.06					2.68
Lakewood	Metedeconk			.05	.03					T.	.04	T.	.05	.03	T.				T.	.60	.75			.72	.05	T.		T.	.10				2.42
Moorestown	Delaware			.03			.07					.08		T.					T.	1 88	.20		.09	.45			T.						2.80
Northfield	Coast			.08				.10				T.	.20	.01						47	34		.02	.81	.03								2.06
N. Merchantville	Delaware			.04	.01			.04		.01	T.	T.	.07	.01					T	.90	1.14		T.	.51	.05	T.		.01	.03				2.82
Pemberton	Delaware				T.			.03		T.	T.		.06	.02						.57	1.02		.03	.53	.03	T.		.01					2.30
Pleasantville‖	Coast	.22			.12				.04		T.		.24	.03	T						.75	.10		.22	.68				T.				2.40
Runyon	Coast			.06	T.			.34			.05			.11						.62	.71			.37				.10					2.36
Trenton***	Delaware			.06			.08	T.		.02		T.	.03	.01					T.	.95	.66		.03	.30		T		.03	T.				2.17
Trenton No. 2**	....do			.09			.07	T.		.01		T.	.02	.04					T.	1.03	.80		.03	.34		T.		.05					2.48
Tuckerton	Coast			.14	.02		.03			.02			.26							.14	.92			.16	.62	T.							2.31
Phila., Pa***	Delaware			.04	T.		.04	T.		.01		.02	.06	T.						1.11	.77		.05	.42		T.		.02	T.				2.54
The Sea Coast.																																	
Atlantic City***	Coast			.04			T.	.09		.01	T.	.09	.16	.01						.72	.15		.21	.71	T.	T.		T.					2.19
Long Branch**	....do			.13			.15	.05		.03		.01	T.	.10	T.				.02	.92	.57		.06	.44	T.	T.		.03	.01				2.52
Sandy Hook***	....do			.12			.14	.04		.04		T.	T.	.15	T.				.01	.78	.54		.06	.33		T.		.01	T.				2.22

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation																															
	Wind movement																															
Pleasantville**	Evaporation																															
	Wind movement																															
Runyon	Evaporation																															
	Wind movement																															

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for February, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	41	....	41	49	48	49	61	47	47	50	36	37	45	40	50	45	38	48	59	45	45	36	47	46	41	32	38	34	....	....	....	44.3[a]
	Minimum	16	....	29	33	23	31	35	25	29	33	18	24	33	33	19	15	17	33	33	28	14	15	33	31	25	17	29	11	....	....	....	25.3[a]
Charlotteburg	Maximum	40	33	52	48	40	57	58	50	16	49	42	37	43	58	48	30	40	60	59	45	41	39	40	38	35	43	39	34	....	....	....	44.4
	Minimum	12	7	29	33	27	31	35	22	26	24	12	23	32	34	15	12	10	32	32	26	14	10	32	29	22	14	26	8	....	....	....	22.5
Dover	Maximum	30	32	44	44	41	55	51	45	44	49	35	36	41	55	....	35	38	58	55	....	36	37	39	39	34	36	36	12	....	....	....	40.7[b]
	Minimum	15	13	27	31	21	35	30	24	28	28	16	25	34	35	17	15	15	33	35	26	16	16	34	29	21	15	29	8	....	....	....	24.0
Layton (near)	Maximum	32	38	42	47	44	55	50	45	41	49	38	37	41	52	38	33	38	60	53	36	35	35	35	36	30	38	37	32	....	....	....	41.0
	Minimum	13	8	21	31	18	33	31	18	25	27	14	21	30	33	15	12	11	33	33	28	10	10	31	30	22	9	28	7	....	....	....	21.6
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	29	32	41	41	42	52	48	44	41	49	30	34	38	53	37	32	38	55	53	33	32	36	36	36	30	35	36	33	....	....	....	39.1
	Minimum	12	10	26	33	21	31	31	23	30	29	13	20	31	34	14	12	15	32	30	25	11	15	31	29	22	13	24	6	....	....	....	22.2
Phillipsburg	Maximum	30	33	41	46	40	57	50	44	42	47	31	47	40	57	39	32	39	56	46	38	35	38	39	39	35	35	38	36	....	....	....	41.1
	Minimum	18	17	31	32	25	34	34	27	30	31	20	26	35	34	20	17	19	34	35	30	19	21	35	34	25	19	30	12	....	....	....	26.6
Sussex	Maximum	32	32	43	42	43	52	51	43	40	49	34	33	40	51	40	31	41	55	54	40	35	36	39	37	34	38	37	35	....	....	....	40.6
	Minimum	13	11	25	34	20	30	36	23	26	33	13	20	30	36	15	14	13	32	31	26	9	9	33	31	22	12	27	9	....	....	....	22.6
The Red Sandstone Plain.																																	
Boonton§§	Maximum	27	34	43	44	42	55	46	46	51	42	30	37	42	57	30	31	40	57	43	34	38	39	40	37	33	37	37	23	....	....	....	39.8
	Minimum	17	13	14	30	22	23	36	24	26	29	16	17	27	35	19	16	15	17	35	30	18	17	21	33	26	15	19	14	....	....	....	22.3
Canoe Brook§§	Maximum	40	38	43	46	41	56	47	50	49	45	30	40	50	58	31	33	42	60	40	34	40	40	40	39	35	38	39	34	....	....	....	42.1
	Minimum	16	12	23	32	17	26	37	20	25	37	16	21	28	34	18	23	12	23	35	29	17	13	28	32	22	14	22	12	....	....	....	23.0
Elizabeth	Maximum	37	35	48	49	44	55	64	66	42	50	40	44	47	63	55	40	48	64	64	47	42	43	45	47	45	42	42	44	....	....	....	48.3
	Minimum	17	18	29	33	24	34	39	24	26	37	17	26	35	36	19	15	18	32	36	28	19	20	35	33	24	16	26	13	....	....	....	26.0
Flemington	Maximum	34	35	42	49	44	60	56	52	45	49	39	39	43	59	49	38	42	63	60	38	41	42	40	41	38	42	39	35	....	....	....	44.8
	Minimum	19	17	29	31	24	30	41	25	27	38	20	26	34	33	20	16	17	31	38	29	14	15	34	33	25	17	30	13	....	....	....	25.9
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lambertville (near)	Maximum	34	36	46	47	50	60	58	56	52	49	40	41	43	60	38	32	41	63	55	36	36	40	36	38	42	40	39	33	....	....	....	44.3
	Minimum	15	15	29	23	24	40	40	36	30	24	18	26	34	38	17	14	15	29	36	27	24	22	16	15	30	25	29	11	....	....	....	25.1
Little Falls§§	Maximum	30	36	45	52	46	57	48	50	50	45	31	38	57	58	32	34	43	60	40	34	42	40	40	38	36	40	39	29	....	....	....	42.5
	Minimum	17	15	19	33	22	30	42	25	29	34	16	20	29	35	19	16	16	28	36	29	17	19	33	33	25	17	25	12	....	....	....	24.7
Newark	Maximum	29	36	49	46	41	59	52	46	43	51	30	39	43	60	36	32	39	59	55	35	37	40	42	42	34	39	38	36	....	....	....	42.4
	Minimum	20	19	36	34	27	37	32	27	32	29	18	29	38	36	20	18	22	35	35	27	20	25	36	32	23	20	32	12	....	....	....	27.5
New Brunswick	Maximum	34	32	52	46	42	61	59	46	44	50	40	39	44	60	47	32	40	63	61	38	36	41	40	40	36	33	38	36	....	....	....	43.9
	Minimum	19	17	29	36	25	30	40	23	30	39	18	26	35	37	20	16	18	32	38	29	19	20	35	33	25	17	29	12	....	....	....	26.7
Paterson	Maximum	35	33	42	46	42	55	53	45	44	50	34	39	44	58	45	33	40	58	54	38	38	40	41	41	44	38	39	36	....	....	....	43.0
	Minimum	19	17	29	37	27	38	39	27	33	34	18	28	36	40	21	17	21	36	37	30	20	23	35	34	26	19	30	13	....	....	....	28.0
Plainfield	Maximum	32	39	45	48	44	58	52	48	49	48	32	39	43	60	40	36	48	60	53	37	39	41	40	40	36	38	40	35	....	....	....	43.6
	Minimum	19	17	32	34	26	33	34	26	28	32	19	27	35	37	21	17	20	32	37	30	19	21	36	34	26	19	27	11	....	....	....	26.8
Ridgefield	Maximum	26	34	49	47	41	54	49	45	43	48	28	39	42	57	35	32	40	56	54	35	38	40	40	39	35	38	40	35	....	....	....	41.4
	Minimum	19	17	34	35	25	38	30	25	31	26	17	28	36	35	18	17	20	34	35	23	18	22	35	31	26	18	31	11	....	....	....	26.2
Somerville (near)	Maximum	34	35	48	46	43	58	56	46	41	48	39	39	43	58	48	35	42	60	59	39	38	48	40	40	36	38	38	28	....	....	....	43.7
	Minimum	15	15	28	35	24	33	38	21	22	37	27	25	34	35	19	13	15	32	35	28	25	17	34	36	22	14	28	11	....	....	....	25.6
New York, N. Y.	Maximum	28	37	50	47	42	58	53	47	44	51	32	38	45	57	35	33	42	59	56	37	40	38	45	40	37	39	40	35	....	....	....	43.0
	Minimum	19	24	36	34	31	40	31	28	33	27	18	31	38	35	20	18	25	35	37	25	20	30	37	33	22	20	34	10	....	....	....	28.2
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	35	45	56	50	50	67	58	53	55	55	40	45	55	68	46	37	45	70	63	42	42	41	44	42	37	41	46	40	....	....	....	48.9
	Minimum	21	18	31	34	26	36	42	26	32	40	22	29	39	40	25	17	19	32	41	29	21	22	37	34	28	21	30	18	....	....	....	28.9
Burlington	Maximum	40	42	56	49	47	66	62	49	45	55	40	42	46	61	51	34	42	66	64	42	35	42	41	40	39	38	40	41	....	....	....	47.0
	Minimum	22	20	31	36	27	32	44	29	28	40	22	27	37	40	22	17	20	32	41	30	18	22	36	34	27	21	29	16	....	....	....	28.6
Camden	Maximum	29	41	54	50	48	64	55	48	49	54	31	42	47	64	36	34	42	66	55	37	35	39	41	39	34	38	42	35	....	....	....	44.6
	Minimum	22	21	33	31	28	38	35	32	32	32	24	28	38	40	23	22	20	35	38	28	22	21	36	33	26	22	32	16	....	....	....	28.9
Freehold	Maximum	33	50	53	50	40	64	60	47	47	51	39	39	49	62	46	28	44	65	59	39	33	40	42	41	38	37	39	36	....	....	....	45.4
	Minimum	20	19	31	40	25	34	38	23	31	38	20	27	37	40	21	14	17	32	38	29	21	22	36	34	20	18	30	13	....	....	....	27.4
Hammonton	Maximum	34	41	57	57	50	61	62	52	54	55	45	44	52	68	54	35	47	69	68	39	40	41	42	43	40	38	44	42	....	....	....	49.1
	Minimum	21	17	30	36	24	33	43	23	29	43	21	28	38	43	23	15	23	30	39	30	15	20	37	34	26	18	27	17	....	....	....	28.0
Hightstown	Maximum	33	36	53	48	45	63	60	47	45	51	39	40	44	61	46	32	42	63	60	39	35	41	41	40	36	37	38	36	....	....	....	44.7
	Minimum	20	19	29	36	24	30	40	25	29	38	20	26	35	40	21	15	17	31	38	29	19	21	35	33	26	18	30	14	....	....	....	27.1
Indian Mills	Maximum	34	42	56	55	48	66	63	52	52	56	40	44	51	68	53	34	47	70	66	42	38	41	43	43	37	40	42	41	....	....	....	48.7
	Minimum	22	18	32	39	24	38	35	25	29	40	23	25	31	38	23	13	13	28	42	30	17	19	35	34	26	13	25	18	....	....	....	27.0
Lakewood	Maximum	33	36	53	52	45	66	63	48	51	53	40	42	50	66	49	35	45	68	62	39	35	41	42	42	37	41	42	39	....	....	....	47.0
	Minimum	22	18	30	38	24	32	40	24	29	40	22	29	39	37	22	15	18	31	39	31	21	22	38	35	30	18	28	15	....	....	....	28.1
Moorestown	Maximum	33	41	55	49	62	66	58	49	52	51	33	43	50	63	36	35	41	67	60	39	41	40	42	39	34	36	40	29	....	....	....	45.9
	Minimum	21	20	31	35	27	37	35	27	29	39	21	29	38	36	25	17	19	36	39	26	17	26	35	32	27	21	29	16	....	....	....	28.2
N. Merchantville	Maximum	34	42	54	50	48	65	62	48	47	55	36	42	48	63	49	35	43	68	62	41	38	42	42	40	37	38	42	40	....	....	....	46.8
	Minimum	21	20	31	36	28	36	42	28	31	36	23	27	38	42	23	18	21	34	41	30	20	22	37	34	28	22	31	16	....	....	....	29.1
Pemberton	Maximum	35	40	55	51	49	67	63	50	48	52	40	42	47	65	51	36	46	69	63	40	39	43	42	42	38	37	40	38	....	....	....	47.4
	Minimum	21	19	30	36	26	35	42	26	30	39	22	27	38	39	22	16	17	32	39	30	19	23	37	34	26	19	28	15	....	....	....	28.1
Pleasantville§§	Maximum	32	44	51	53	47	60	52	46	57	53	37	45	55	70	36	37	44	69	53	40	36	42	44	39	37	39	45	28	....	....	....	46.1
	Minimum	25	17	23	38	21	27	45	20	27	41	22	25	37	38	25	12	13	23	43	33	21	22	35	34	25	15	23	19	....	....	....	26.8
Runyon	Maximum	38	38	54	48	48	64	64	60	62	48	40	38	44	48	30	30	34	62	60	38	38	40	40	42	38	40	41	38	....	....	....	45.2
	Minimum	18	21	31	38	16	21	58	38	28	24	17	26	36	28	16	13	9	34	36	28	14	12	36	28	22	13	26	16	....	....	....	25.1
Trenton	Maximum	30	37	53	48	46	64	58	48	47	54	29	40	45	62	36	32	40	64	56	36	35	41	41	39	33	35	38	35	....	....	....	43.5
	Minimum	21	19	32	34	29	39	34	29	31	29	21	27	37	36	21	17	22	33	36	27	18	22	37	32	24	20	32	13	....	....	....	27.6
Trenton No. 2	Maximum	31	39	52	49	46	64	60	48	45	52	32	45	46	62	38	34	42	64	57	37	38	43	41	39	35	38	39	36	....	....	....	44.7
	Minimum	21	19	31	33	25	37	32	26	31	32	21	27	37	37	22	16	19	33	36	27	16	18	36	32	26	20	32	15	....	....	....	27.0
Tuckerton	Maximum	50	45	56	57	50	60	58	58	55	50	45	48	49	70	60	40	45	70	60	50	40	46	49	48	41	45	45	40	....	....	....	51.1
	Minimum	28	21	33	35	29	35	38	33	35	42	25	33	33	41	25	15	25	35	34	28	25	30	35	36	25	25	28	18	....	....	....	30.2
Philadelphia, Pa.	Maximum	31	41	53	50	47	63	56	48	52	56	31	42	47	63	40	36	40	65	56	38	36	39	42	40	34	35	40	36	....	....	....	44.9
	Minimum	23	23	34	36	32	41	36	32	34	31	24	29	38	40	24	19	25	34	37	29	23	26	38	33	27	23	33	15	....	....	....	30.0
The Sea Coast.																																	
Atlantic City	Maximum	32	41	49	54	45	51	54	41	56	56	36	43	49	70	40	38	40	63	54	41	35	44	45	41	37	39	42	40	....	....	....	45.6
	Minimum	25	25	41	34	31	42	35	31	40	33	27	36	41	40	26	20	24	40	41	31	24	35	40	34	26	21	37	17	....	....	....	32.0
Long Branch	Maximum	29	39	51	49	42	66	53	42	51	50	33	41	47	64	33	33	41	63	56	37	35	41	43	41	35	38	41	37	....	....	....	44.0
	Minimum	20	21	39	36	31	39	31	28	34	31	24	33	41	38	22	18	20	37	37	30	25	35	39	32	24	19	32	11	....	....	....	29.5
Sandy Hook	Maximum	30	39	49	45	41	57	50	44	44	48	32	39	42	54	35	32	38	54	52	36	34	39	40	39	36	36	39	36	....	....	....	41.4
	Minimum	21	23	38	35	33	38	34	29	35	30	21	32	39	35	22	19	26	36	36	31	24	29	37	34	25	22	32	14	....	....	....	29.6

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it **almost always** occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
E. S. NICHOLS.
TRENTON, N. J.

VOL. XLIII. MARCH, 1938. No. 3.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The precipitation during this month was below the normal amount, the southern section of the State receiving much less on the average than the northern area. The monthly amounts, in percentages of the normal, for the various subdivisions were as follows: The Highlands, 70%; The Red Sandstone Plain, 61%; The Southern Interior, 51%; The Sea Coast, 48%; The State, 57%. The rainfall was well distributed throughout the month, the heaviest falls occurring during the 5-6th, 10th, 13-18th and 30th-31st. Snowfall continued below normal. Stations located in the southern portion of the State recorded the heaviest amounts, Hammonton with four inches experiencing the heaviest fall. The State average snowfall for this past 1937-38 season was 7.5 inches, which is, except for one season, the lowest average since 1896-97, the first year of snow record. The one season which had a lower average was 1918-19, that period having only 4.6 inches.

The temperature for the month was above the normal. Maxima ranging from 71 to 85 degrees, but mostly in the high seventies or low eighties were recorded. These maxima occurred on either the 21st, 22d or 23d. The minima, which were mostly around the 10 degree mark, although five stations had zero or below, were recorded on the 4th.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 37 stations, was 43.2°, which was 4.1° above normal. The highest temperature was 85° at Canoe Brook on the 22d, and the lowest, —1, at four stations on the 4th. The greatest daily range of temperature was 53° at Canoe Brook on the 22d. The highest monthly mean temperature was 46.5° at Bridgeton, and the lowest, 39.6° at Layton.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +3.4°; Red Sandstone Plain, +3.3°; Southern Interior, +3.8°; Sea Coast, +3.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 43 stations, was 2.15 inches, which was 1.63 inches below normal. The average total snowfall at 20 selected stations was 1.2 inches, which was 3.6 inches below normal. The greatest monthly precipitation was 4.30 inches, at Burlington, and the least, 0.90 inch at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 0.99 inch at Belvidere on the 14th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, —1.58 inches; Red Sandstone Plain, —2.57 inches; Southern Interior, —3.16 inches; Sea Coast, —3.89 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 5, 11, 16, 17, 22, 23, 24, 30, 31.

SLEET: 3, 5, 14, 15.

THUNDERSTORMS: 5, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p. m.	
Atlantic City	30.04	30.38	28	29.56	6	17.7	41	ne.	15	76	66	73	51
Long Branch	30.02	30.37	28	29.45	5	13.0	42	nw.	1	71	58	68	51
Ridgefield	30.00	30.35	28	29.45	5	....	....	....	....	....	....	....	....
Sandy Hook	30.00	30.39	4	29.43	5	14.7	36	nw.	27	77	67	71	51
Trenton	30.01	30.38	28	29.44	5	10.1	28	w.	1	71	56	59	52

COMPARATIVE DATA FOR MARCH.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	**30.4**	66	2	**1.10**	......	......	......	......	......
1886	37.7	70	9	3.70	......	......	......	......	......
1887	37.7	61	8	3.34	......	10	......	......	......
1888	32.8	72	0	5.71	......	11	......	......	......
1889	40.5	67	19	3.79	......	8	......	......	......
1890	37.6	78	0	6.08	......	14	......	......	......
1891	37.2	68	4	5.06	......	12	8	10	13
1892	34.4	64	6	4.75	......	9	10	12	9
1893	37.0	68	6	3.73	......	10	10	10	11
1894	44.2	83	12	1.77	......	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	**−15**	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	**7.61**	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	**20.5**	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	**49.1**	**92**	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
1938	43.2	85	−1	2.15	1.6	11	12	7	12
Period	39.1	92	−15	3.78	4.8	11	12	9	10

Climatological Data for March, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	42.7	+4.1	80	23	4	4	36	3.20	−0.49	0.99	0.5	11	14	6	11	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	719	46	41.2	+4.9	80	22	−1	4	50	2.05	−1.94	0.47	0.5	10	18	3	10	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	2.06	−1.26	0.48	2.0	6	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	41.0	+5.1	78	22†	4	4	44	2.47	−1.55	0.68	0.5	11	6	16	9	......	William C. Harris
Layton....(near)	Sussex	480	37	39.6	+3.5	79	28	−1	4	46	2.12	−1.17	0.43	1.0	9	8	4	19	nw.	A. M. Depue.
Long Valley	Morris	660	7	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	James E. Rice.
Newton	Sussex	769	55	40.6[a]	+4.6	79	22	−1	4	38	2.51	−0.88	0.50	2.0	10	11	7	13	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	42.6	+4.0	79	22	14	11	40	2.85	−0.49	0.64	1.5	10	14	3	14	......	Town Engineer.
Sussex	Sussex	442	43	41.2	+4.3	80	22†	−1	4	46	2.53	−0.62	0.60	T.	9	13	5	13	......	A. J. W. Mowatt
Means and extremes	......	......	....	41.3	+4.4	80	22†	−1	4	50	2.47	−1.05	0.99	1.0	10	12	6	13	w.	
The Red Sandstone Plain.																				
Boonton	Morris	400	§48	40.4	+5.0	80	23	5	4	41	1.97	−1.67	0.43	......	9	15	1	15	ne.	John Kline.
Canoe Brook	Essex	180	8	40.5	......	85	22	3	4	53	2.45	......	0.75	......	11	14	6	11	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	2.54	−1.50	0.84	......	10	18	3	10	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	43.7	+4.3	82	23	6	4	42	2.62	−1.34	0.51	1.0	14	15	3	13	nw.	Union County Park Comm
Flemington	Hunterdon	140	§52	44.0	+3.4	81	22†	8	4	42	2.12	−1.54	0.67	1.0	10	15	5	11	nw.	Hiram E. Deats
Jersey City	Hudson	81	40	......	......	......	......	......	......	....	2.43	−1.59	0.52	1.7	13	9	9	13	nw	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	42 2	+2.5	79	22	6	4	39	2.29	−1.50	0.54	1.0	10	18	5	8	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	42.8	+5.5	82	23	4	4	43	2.03	−1.74	0.54	0.5	11	13	8	10	w.	Passaic Valley Water Co
Newark	Essex	10	3	43.6	+4.3	82	23	8	4	35	2.11	−1.64	0.58	0.3	14	7	10	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	42.8	+3.6	79	22	6	4	38	2.21	−1.35	0.53	1.0	11	15	8	8	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	1.85	−1.50	0.52	......	11	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	44.6	+5.2	82	23	7	4	36	2.52	−1.43	0.54	0	13	12	5	14	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	42.9	+3.8	84	23	6	4	39	2.77	−1.19	0.62	1.4	11	10	8	13	nw.	S. K .Pearson.
Ridgefield	Bergen	80	21	42.1	+5.6	78	22	5	4	35	2.17	−1.90	0.64	1.8	10	11	8	12	nw.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	42.0	+3.2	80	23	5	4	37	2.71	−0.96	0.57	1.8	15	12	6	13	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	1.88	−1.19	0.51	......	10	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	44.2	+6.5	74	21	8	4	38	2.34	−1.30	0.75	1.1	12	6	13	12	nw.	U. S. Weather Bureau
Means and extremes	......	......	....	42.6	+4.2	85	22	3	4	53	2.29	−1.47	0.84	1.0	11	13	6	12	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	......	......	......	......	......	......	....	1.77	−1.99	0.34	T.	10	14	9	8	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	46.5	+3.9	84	22	12	4	44	1.87	−1.97	0.33	2.3	12	14	5	12	sw.	Bennett K. Matlack
Burlington	Burlington	12	§52	45.2	+3.9	81	22†	10	4	41	4.30	+0.59	0.90	1.0	13	11	10	10	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	45.2	......	81	22	12	4	38	1.55	......	0.46	T.	12	12	5	14	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	43.4	......	80	22†	9	4	36	1.73	−2.92	0.37	1.2	12	17	3	11	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	46.4	......	83	22	10	4†	36	2.46	−1.46	0.42	4.0	10	12	7	12	w.	J. G. Wilson.
Hightstown	Mercer	110	45	43.2	+2.4	80	22	8	4	41	1.53	−2.25	0.41	1.2	12	11	8	12	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	49	45.0	+3.9	82	22	9	11	46	1.98	−2.10	0.60	2.0	10	9	13	9	sw.	James M. Armstrong.
Lakewood	Ocean	54	34	45.0	+4.7	81	22†	12	11	43	1.83	−2.34	0.32	1.5	13	12	3	16	sw.	R. W. Holman.
Moorestown	Burlington	62	75	44.5	+4.7	80	22†	11	4	38	1.59	−2.09	0.55	T.	10	9	6	16	sw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	1.77	−1.67	0.46	3.7	12	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	46.4	......	83	22	11	4	38	1.53	......	0.50	2.1	15	9	6	16	sw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	45.2	......	82	22	11	4	43	1.15	......	0.31	1.1	10	12	6	13	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	43.8	+3.5	77	22	12	4†	41	2.22	−1.19	0.56	......	13	16	4	11	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	41.0	+0.6	82	23	0	11	44	2.14	−0.96	0.53	......	11	13	9	9	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	44.0	+4.9	79	22	9	4	37	1.59	−1.81	0.70	1.6	10	6	10	15	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	44.1	......	81	22	9	4	36	1.80	......	0.44	1.4	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	45.0	+3.9	72	22	15	4	40	0.90	−3.23	0.26	0.3	10	13	7	11	nw.	John H. Brown.
Philadelphia, Pa.	......	26	67	45.8	+5.0	79	22	13	4	35	1.83	−1.56	0.51	1.9	13	8	9	14	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	44.6	+3.6	84	22	0	11	46	1.90	−1.80	0.90	1.7	12	12	7	12	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	44.0	+5.4	72	21	17	4	34	1.97	−1.63	0.50	1.6	15	8	9	14	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	43.4	+4.0	75	21	12	1	37	1.78	−2.39	0.40	1.4	15	6	12	13	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	42.8	+3.5	71	23	14	4	30	1.89	−2.15	0.70	0.7	13	9	8	14	sw.	U. S. Weather Bureau
Means and extremes	......	......	....	43.4	+4.3	75	21	12	1	37	1.88	−2.06	0.70	1.2	14	8	9	14	sw.	
For the State	......	......	....	43.2	+4.1	85	22	−1	4	53	2.15	−1.63	0.99	1.2	11	12	7	12	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-5-13-38-900

Daily Precipitation for March, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley																																	
Belvidere	Delaware					.50					.11			.29	.99		.33	.11	.30		.02				.03		.09		T		T.	.43	3.20
Charlotteburg	Passaic					.45	.02							.04	.38	.20	.25	.38	.08								.07					.18	2.05
Culvers Lake	Delaware					.48								T.	.47	T.	.42	.15	.30								T.				T.	.24	2.06
Dover	Passaic					.45					.05			.23	.68	.10	.33	.23			.02						.10				.01	.27	2.47
Layton (near)	Delaware					.43								.05	.31	.04	.31	.37	.37								T.	.01				.23	2.12
Long Valley	Raritan																																
Newton	Delaware					.44	.10		T.		T.		T.	.16	.50	.13	.36	.42	.21		T.				T.		.06				T.	.13	2.51
Phillipsburg	...do					.28	.04	T.		T.	.13	T.	T.	.43	.64	.31	.34	.36			T.				T.		.11			T.	T.	.21	2.85
Sussex	Hudson					.50	.10							.20	.25		.60	.23	.30												.05	.30	2.53
The Red Sandstone Plain.																																	
Boonton ǁǁ	Passaic					.16	.37						T	.02	.20	.43		.42	.04			T.						.15				.18	1.97
Canoe Brook ǁǁ	...do	T.				.27	.14				T.	.07		.04	.28	.75	.07	.53	.06									.05			T.	.19	2.45
Chatham ǁǁ	...do					.22	.15					.03	T	T.	.24	.84		.59	.12			T.			.04			.08				.23	2.54
Elizabeth	Coast					.39	.05				.09		.01	.16	.51	.42	.40	.19	.05	.05					T.		.06				.04	.20	2.62
Flemington	Raritan					.27					.09				.57	.67		.16	.12		.01				.07		.04				T.	.12	2.12
Jersey City	Coast			T.	T.	.44	.03		T.	T.	.04		.02	.09	.52	.31	.49	.16	.03		T.				T.		.09			T	.02	.19	2.43
Lambertville (nr.)	Delaware					.14					.11			.22	.54	.55	.36	.18	.04		T.						.03			T.	.12		2.29
Little Falls ǁǁ	Passaic					.21	.22					T	.01	.01	.27	.54	.01	.39	.02						T.			.07			T.	.28	2.03
Newark***	Coast					.42	.04				.03	.01	T.	.16	.52	.10	.53	.05	T.		.03				T.		.06	T.		.02	.03	.11	2.11
New Brunswick	Raritan					.30	.03				.09			.28	.50	.53	.25	.11	.03		T.				T.		.01				T.	.08	2.21
New Milford**	Hackensack				.02	.52								.16	.46	.07	.28	.05	.03								.12				.04	.10	1.85
Paterson	Passaic					.43	.04				T.		.02	.18	.54	.21	.43	.21	.01		.03						.16				.05	.21	2.52
Plainfield	Raritan		T.			.50					.12			.24	.62	.38	.50	.10			.01						.05			T.	.04	.21	2.77
Ridgefield**	Hackensack					.47					.02			.09	.64	.03	.50	.05			T.						.09			T.	.09	.19	2.17
Somerville (near)	Raritan					.47	.04				.12		.01	.17	.57	.41	.43	.10	.09		.01				.01		.05				.02	.21	2.71
Woodcliff Lake**	Hackensack					.51								.15	.47	.06	.30	.08	.04								.10				.03	.11	1.88
New York, N. Y***	Coast			T.	T.	.42	.04		T.	T	.04	.02	T.	.17	.56	.21	.53	.06			T.				T.		.07			T.	.10	.12	2.34
The Southern Interior.																																	
Belleplain	Tuckahoe			T.	T.	.34	.10				.20		.10		.10	.20	.25	.10	.12		T.						T.					.26	1.77
Bridgeton	Delaware			.14	T.	.27	.04				.33		T.	.04	.28	.10	.21	.06	.14		T.						.10			T.	T.	.16	1.87
Burlington	Delaware			T.		.19	.10				.15		.50	.90	.52	.77	.18	.80							01		.10			T.	.03	.05	4.30
Camden**	..do			.01		*	.26				.12	T.	T.	.21	.46	.04	.17	.11			.02				T		.04			T.	.11	T.	1.55
Freehold	Raritan					.21	.12				.14		.03	.03	.37	.33	.18	.13									.02			T.	.05	.12	1.73
Hammonton	Mullica			.08		.25	.04				.40				.18	.38	.42	.42	T.		T						.06			T.	T.	.23	2.46
Hightstown	Raritan			T.		.17	.11	T.			.08		T.	.09	.41	.34	.14	.07	.01		T.				.01		T			T.	.01	.09	1.53
Indian Mills	Mullica						.14				.22				.28	.38	.60	.06	.05								.06				.02	.17	1.98
Lakewood	Metedeconk			T		.24	.10				.15		.05	.03	.32	.28	.28	.13	.05		T.				T		.02			T.	.08	.10	1.83
Moorestown	Delaware				T.	.18	.10				T.	.18		T.	.18	.55	T.	.21	.04		T.				T.		T.	.06			.01	.08	1.59
Northfield	Coast			.14	T.	.20	.07				.46		.03		.06	.16	.34	.06	.08		T.						.05			T.		.12	1.77
N. Merchantville	Delaware			.03	T.	.19	.11		T.		.20		.01	.02	.50	.01	.15	.10	.03		T.				.01		.05			T.	.08	.04	1.58
Pemberton	Delaware			.01		.26	.08				.09			T	.31	.20	.09	.08	T.								.02				.01		1.15
Pleasantville ǁǁ	Coast				.18	.27	.10				T.	.56	.05		.07	.26	T.	.50	.10	.02		.02					T.	.07				.02	2.22
Runyon	Coast					.31	.07				.07	.03		.23	.42	.53	.30	.06												.07	.05		2.14
Trenton***	Delaware			T.		.22	.10				.16	T.		.13	.51	.19	.17	.05	T.		T.				.01		T.			T.	T	.05	1.59
Trenton No. 2**	...do			T.		.21	.03				.17	T.		.21	.44	.30	.21	12			T.				.01		T.			T.	.03	.07	1.80
Tuckerton	Coast			T	.01	.32				.02				.06	.04	.06	.26	.09	.01		.03												0.90
Phila., Pa***	Delaware		T.	.05		.14	.08		T.		.22	T.	T.	.19	.45	.06	.16	.28			T				.04		.03			T.	.12	.01	1.83
The Sea Coast.																																	
Atlantic City***	Coast			.20		.27	.07				.50	.03	.02	.04	.11	.11	.40	.04	.04		T.						.07			T.	.01	.06	1.97
Long Branch**	...do			T.	T.	.23	.10				.14	.01	.03	.12	.40	.18	.21	.14	.02		T.				T.		.02			.02	.09	.07	1.78
Sandy Hook***	...do					.28	.04			T.	.06	.02	T.	.26	.48	.24	.27	.06	T.		T.						.01			.03	.05	.09	1.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ǁ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation
	Wind movement
Pleasantville**	Evaporation
	Wind movement
Runyon	Evaporation
	Wind movement

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for March, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	47	45	45	29	36	46	46	50	39	48	45	42	46	47	53	49	52	55	75	76	79	78	80	70	49	57	58	62	54	55	59	53.9
	Minimum	11	32	23	4	25	34	28	26	25	25	14	29	32	30	25	33	37	35	40	43	45	45	44	41	31	39	34	29	31	42	43	31.5
Charlotteburg	Maximum	47	53	47	32	37	49	43	40	42	41	45	50	57	48	53	43	50	55	64	66	78	80	78	78	58	56	49	56	66	62	49	53.9
	Minimum	6	31	19	−1	21	34	17	29	22	17	9	30	26	33	24	25	35	33	48	37	48	30	39	43	21	36	33	28	35	40	40	28.6
Dover	Maximum	45	51	47	36	40	47	43	41	42	34	42	50	56	49	41	39	41	60	65	67	74	78	78	60	56	50	51	57	65	53	48	51.8
	Minimum	9	35	15	4	23	28	24	29	23	21	15	28	32	33	28	30	35	34	39	43	49	34	43	36	29	37	34	28	36	41	41	30.2
Layton(near)	Maximum	42	53	44	32	40	45	43	41	41	40	44	53	56	47	55	35	40	57	66	69	73	69	79	67	58	54	50	57	66	56	48	52.3
	Minimum	7	32	14	−1	27	28	18	29	20	18	10	31	28	29	19	29	35	32	40	37	40	30	36	37	25	28	33	29	22	33	41	27.0
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Newton	Maximum	44	49	44	30	35	45	41	38	41	34	42	49	53	....	47	38	39	57	64	64	72	79	78	65	56	51	48	56	62	53	48	50.7[a]
	Minimum	6	33	15	−1	22	30	24	28	32	23	17	29	35	....	20	30	35	31	34	46	48	43	51	39	29	36	32	28	35	42	40	30.4[a]
Phillipsburg	Maximum	46	51	44	30	39	45	44	46	44	34	41	51	54	49	40	43	44	56	65	68	74	79	78	66	57	54	54	58	62	49	51	52.1
	Minimum	....	29	15	16	27	31	30	31	26	24	14	31	33	32	28	35	37	36	40	46	45	39	46	42	31	40	36	31	29	42	44	32.9[a]
Sussex	Maximum	47	51	45	35	36	46	42	42	40	45	44	49	56	47	47	45	40	55	65	67	71	80	80	73	57	56	52	55	65	57	47	52.8
	Minimum	7	33	20	−1	23	31	23	28	23	22	12	31	28	30	23	30	35	33	38	38	46	34	44	42	29	38	34	29	30	40	41	29.5
The Red Sandstone Plain.																																	
Boonton§§	Maximum	45	52	31	32	48	42	43	42	42	35	43	50	53	48	44	40	41	56	65	65	73	78	80	59	57	51	51	58	63	44	56	51.2
	Minimum	10	22	31	5	9	31	22	23	21	22	15	20	31	35	29	27	33	35	37	41	43	37	43	48	29	36	36	26	35	43	41	29.5
Canoe Brook§§	Maximum	52	56	34	33	48	44	45	44	38	33	43	51	57	48	48	45	42	55	66	67	75	85	80	61	57	52	53	58	66	50	57	53.0
	Minimum	9	24	28	3	12	31	18	26	21	16	8	23	27	41	28	27	35	34	39	40	41	32	42	38	23	32	34	23	29	42	41	28.0
Elizabeth	Maximum	52	56	60	30	43	53	52	53	52	49	44	52	58	50	41	43	43	56	72	68	78	81	82	78	56	53	57	60	67	59	49	56.4
	Minimum	10	34	21	6	24	34	22	26	22	24	11	26	32	35	30	30	38	35	38	43	44	40	44	47	33	36	35	28	31	41	40	31.0
Flemington	Maximum	50	55	50	34	41	48	47	48	48	43	42	56	59	51	40	42	42	61	71	70	80	81	81	75	60	56	58	62	64	58	50	55.6
	Minimum	12	32	26	8	26	34	28	28	24	26	11	28	32	36	30	34	39	37	40	44	48	39	43	52	32	38	35	29	30	43	43	32.5
Jersey City	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	53	55	59	65	60	50	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	35	40	36	34	40	43	42	......
Lambertville (near)	Maximum	49	52	54	40	48	50	44	46	43	38	42	50	59	52	37	41	42	49	64	69	73	79	78	65	55	52	53	56	61	54	52	53.1
	Minimum	10	18	20	6	25	28	27	26	27	18	24	31	35	30	29	32	38	35	38	46	50	48	49	43	29	36	34	28	33	40	41	31.4
Little Falls§§	Maximum	48	56	30	37	49	45	45	43	44	35	46	57	57	45	46	40	41	56	67	68	77	81	82	61	60	62	53	60	68	46	59	53.7
	Minimum	10	27	28	4	16	34	30	21	25	22	16	29	31	43	29	28	35	35	39	41	45	38	44	56	32	39	36	30	40	41	41	31.8
Newark	Maximum	48	56	46	30	42	50	45	44	43	36	44	52	58	52	42	41	42	54	66	69	76	80	82	66	55	52	53	58	65	51	48	53.1
	Minimum	13	35	11	8	27	30	27	31	28	25	20	33	39	33	31	35	38	36	42	46	52	47	51	43	37	39	38	33	41	42	43	34.0
New Brunswick	Maximum	47	55	51	28	44	49	44	46	43	42	42	50	58	52	40	40	43	57	66	67	74	79	76	71	51	52	52	55	62	58	49	53.0
	Minimum	12	35	25	6	25	36	25	28	23	26	11	31	37	37	30	31	39	35	40	44	47	41	45	47	34	36	36	28	31	43	42	32.5
Paterson	Maximum	48	57	54	31	41	53	46	43	44	42	46	51	58	55	45	40	42	57	66	68	75	80	82	71	60	52	54	59	66	60	49	54.7
	Minimum	12	37	20	7	26	33	26	32	29	28	21	31	39	35	31	33	37	38	47	45	52	44	49	48	35	40	39	33	41	43	42	34.6
Plainfield	Maximum	48	56	45	33	41	43	45	46	46	37	43	52	59	50	41	41	43	59	67	68	76	80	84	65	57	52	56	58	66	50	49	53.4
	Minimum	11	33	20	6	26	33	26	28	25	27	15	29	34	35	30	31	39	36	42	44	49	41	45	43	32	37	37	30	33	43	43	32.4
Ridgefield	Maximum	46	57	44	28	40	46	34	41	32	32	54	51	57	51	45	41	42	56	65	66	74	78	77	64	57	52	51	57	66	50	47	51.6
	Minimum	11	36	9	5	30	27	25	30	27	25	21	31	40	32	31	33	36	35	41	47	49	43	53	40	35	39	37	31	35	38	40	32.6
Somerville(near)	Maximum	48	55	50	30	40	46	45	46	45	38	42	50	56	49	41	40	42	58	65	67	74	79	80	64	57	51	54	56	63	51	48	52.6
	Minimum	11	32	22	5	23	32	25	28	23	25	17	29	35	33	29	30	37	35	39	46	48	45	49	42	27	37	33	26	32	39	41	31.5
New York, N. Y	Maximum	46	53	48	34	48	49	44	44	44	38	46	54	56	51	48	46	46	53	65	66	74	74	72	64	57	51	51	58	61	53	51	53.1
	Minimum	12	37	10	8	29	31	30	32	30	28	26	34	41	36	33	36	37	36	43	50	53	56	56	42	37	41	35	34	39	43	42	35.4
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	52	59	60	40	61	56	49	52	49	38	44	53	62	57	41	52	53	59	66	66	78	84	80	66	58	59	57	57	65	73	70	58.6
	Minimum	18	29	24	12	28	35	27	30	26	30	16	32	38	40	34	36	44	36	35	44	45	40	49	47	34	42	39	29	32	44	50	34.4
Burlington	Maximum	50	58	51	33	52	58	45	47	46	48	45	50	58	53	43	48	48	56	65	68	75	81	81	74	57	57	56	56	63	63	53	56.1
	Minimum	15	37	27	10	28	40	29	30	25	27	12	34	35	41	32	35	41	37	40	45	46	40	45	50	34	37	39	32	32	45	45	34.4
Camden	Maximum	51	58	48	35	56	57	47	51	47	34	44	51	58	54	39	49	45	59	64	66	74	81	80	64	57	57	55	57	62	53	54	55.1
	Minimum	17	36	23	12	30	33	32	35	30	25	16	35	40	31	33	36	39	38	39	47	53	43	52	41	38	40	38	33	38	44	46	35.3
Freehold	Maximum	48	57	49	30	48	56	44	45	44	39	43	49	61	52	39	46	46	56	63	67	74	80	80	64	54	52	53	55	64	53	51	53.6
	Minimum	12	38	22	9	21	37	26	31	26	28	16	32	35	37	31	30	35	36	39	45	48	45	51	45	31	34	37	28	33	44	44	33.1
Hammonton	Maximum	52	59	52	35	55	60	46	50	47	42	45	52	62	59	45	46	55	58	65	66	77	83	81	71	58	56	59	57	65	66	69	57.8
	Minimum	16	35	24	10	28	41	26	30	24	29	10	31	34	44	34	36	40	37	35	46	45	75	50	52	33	32	39	29	33	43	47	35.1
Hightstown	Maximum	49	57	50	33	47	54	44	46	44	39	43	49	59	53	39	44	43	55	63	68	73	80	79	65	55	53	54	55	62	53	51	53.5
	Minimum	13	37	25	8	26	35	27	30	25	25	13	31	38	38	31	30	39	35	39	45	47	39	49	44	32	36	36	27	32	44	43	32.9
Indian Mills	Maximum	51	61	53	35	55	60	47	49	47	41	43	51	60	58	40	49	54	65	65	67	75	82	81	70	58	56	56	56	66	63	63	57.3
	Minimum	15	35	24	10	27	40	25	37	22	26	9	30	33	40	34	36	42	36	33	45	41	36	46	47	30	32	38	28	25	45	46	32.7
Lakewood	Maximum	49	59	54	33	54	60	47	49	47	40	47	53	63	55	49	47	53	55	66	69	78	81	81	67	54	54	56	58	66	54	57	56.6
	Minimum	14	41	27	14	26	39	25	31	21	25	12	32	31	38	36	32	41	37	35	43	47	38	45	45	32	35	38	28	35	45	45	33.3
Moorestown	Maximum	52	57	50	32	58	60	45	48	45	33	43	58	59	55	39	48	45	57	65	67	76	80	80	62	57	58	56	55	62	52	54	55.1
	Minimum	17	36	26	11	26	35	30	33	28	23	16	34	38	38	32	35	38	37	38	45	47	42	50	38	35	37	35	29	33	43	45	33.9
N. Merchantville	Maximum	52	59	52	35	54	57	48	51	47	42	45	53	61	55	41	48	48	59	68	68	78	83	81	70	60	58	57	59	65	54	54	56.8
	Minimum	16	36	26	11	28	39	31	34	29	29	20	35	39	41	32	35	41	37	40	48	50	45	52	50	36	39	39	32	36	43	45	35.9
Pemberton	Maximum	51	58	53	35	54	60	46	50	46	43	46	53	60	56	40	49	50	54	64	67	76	82	81	72	58	56	55	57	63	58	59	56.5
	Minimum	14	35	25	11	27	36	27	29	25	28	12	33	37	40	33	35	40	36	37	46	45	39	51	52	34	35	39	29	32	45	46	34.0
Pleasantville§§	Maximum	52	62	47	39	60	55	48	52	48	35	41	52	62	62	42	51	51	50	65	65	76	77	65	65	49	57	56	55	61	60	65	55.6
	Minimum	15	25	40	12	19	39	20	26	18	24	12	21	29	44	35	36	41	37	33	43	45	35	35	51	32	36	40	29	26	47	47	32.0
Runyon	Maximum	44	54	38	29	34	32	44	44	46	33	44	54	57	49	38	41	42	50	64	65	76	80	82	70	66	63	62	59	64	54	57	52.7
	Minimum	11	36	24	7	16	24	36	16	12	26	0	38	26	36	26	36	36	40	42	45	32	36	54	37	32	36	24	21	29	36	40	29.4
Trenton	Maximum	51	57	50	31	56	51	45	45	43	35	42	50	59	54	39	44	43	56	65	66	74	79	79	65	54	56	53	55	61	49	51	53.5
	Minimum	14	36	17	9	28	32	31	33	29	24	17	34	38	35	32	35	38	36	43	48	53	48	52	40	35	38	36	32	36	45	43	34.4
Trenton No. 2	Maximum	50	59	47	33	54	51	46	47	45	32	44	51	61	55	40	44	43	57	65	68	76	81	80	64	57	54	54	57	62	52	51	54.2
	Minimum	14	36	21	9	28	32	30	32	28	23	17	33	37	33	32	35	37	37	41	47	50	45	50	40	34	39	37	30	35	45	44	34.0
Tuckerton	Maximum	46	60	50	39	50	60	40	50	45	48	48	51	60	58	48	50	50	52	58	60	71	72	67	61	54	58	57	58	58	53	62	54.6
	Miuimum	14	20	32	15	30	33	30	28	30	30	25	35	34	40	36	36	42	43	45	45	45	42	45	45	33	45	38	37	30	46	46	35.3
Philadelphia, Pa	Maximum	51	55	52	31	57	58	46	47	45	40	41	51	57	56	39	48	46	59	66	67	77	79	78	66	58	57	55	58	60	52	55	55.1
	Minimum	16	37	20	13	26	32	32	36	33	29	26	36	40	36	33	36	39	38	43	49	53	53	54	41	38	38	37	34	39	46	45	36.5
The Sea Coast.																																	
Atlantic City	Maximum	51	51	50	34	49	56	47	51	47	40	40	52	53	52	39	48	50	48	61	60	72	58	57	66	46	57	55	51	51	53	56	51.6
	Minimum	17	38	24	17	34	33	29	36	32	26	25	35	41	39	36	38	40	38	40	45	52	46	47	41	37	42	38	32	42	45	46	36.5
Long Branch	Maximum	49	60	50	30	49	55	45	47	45	36	43	50	64	54	39	45	41	49	60	66	75	74	73	64	50	52	54	54	66	50	49	52.8
	Minimum	12	41	18	16	29	30	27	32	24	22	18	32	41	36	33	37	38	36	41	46	50	43	50	40	36	37	38	31	36	43	44	34.1
Sandy Hook	Maximum	45	55	45	30	45	50	43	44	41	36	40	47	55	48	39	43	41	49	61	60	69	69	71	60	50	50	51	54	61	49	46	49.9
	Minimum	15	40	17	14	30	32	30	34	31	27	25	35	40	36	32	37	38	37	42	45	47	46	51	43	40	40	38	36	40	44	43	35.6

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLIII. APRIL, 1938. No. 4.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April temperature averaged considerably above normal, the figure of 53.0 degrees only having been exceeded three times since the beginning of the records in 1885. This April was also characterized as the warmest since 1921. The maxima were mostly in the high eighties or low nineties and occurred quite generally on the 28th; some stations recorded it as occurring on the 15th or 20th. The minima, ranging from 12 degrees at Charlotteburg to 34 degrees at Atlantic City, occurred on either the 6th or 11th with the greater number being recorded on the first-mentioned date.

Rainfall continued below normal for the third consecutive month, the amount received during this April being only 78% of the normal. The percentages of the normal amount for the various subdivisions were as follows: The Highlands, 84%; The Red Sandstone Plain, 87%; The Southern Interior, 63%; The Sea Coast, 69%.

Killing frosts were experienced as late as the 24th and 25th in the northern regions of the State. The central and southern areas reported the last on the 11th, and the extreme south on the 4th.

A tornado, rather weak in character, was noted in the vicinity of Stockton on the 18th. It is estimated that this storm damaged property to the extent of about $2000.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 53.0°, which was 3.3° above normal. The highest temperature was 94° at Belvidere and Elizabeth on the 20th and 28th, and the lowest, 12 , at Charlotteburg on the 11th. The greatest daily range of temperature was 48° at Elizabeth on the 20th. The highest monthly mean temperature was 56.1° at North Merchantville, and the lowest, 49.2° at Layton.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +3.4°; Red Sandstone Plain, +3.4°; Southern Interior, +3.8°; Sea Coast, +3.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 2.82 inches, which was 0.79 inch below normal. The average total snowfall at 20 selected stations was 2.8 inches, which was 1.6 inches above normal. The greatest monthly precipitation was 3.95 inches, at Paterson, and the least, 1.65 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 1.74 inches at Atlantic City on the 8-9th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, —2.18 inches; Red Sandstone Plain, —3.06 inches; Southern Interior, —4.52 inches; Sea Coast, —5.04 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 9, 18, 25, 26, 27, 30.

SLEET: 2, 6, 7, 8, 15, 18, 23.

THUNDERSTORMS: 1, 9, 18, 19, 20, 29.

JUN 22 1938
UNIVERSITY OF ILLINOIS

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.06	30.47	27	29.13	9	18.2	43	ne.	7	76	66	71	60
Long Branch	30.03	30.45	7	29.06	9	11.0	40	nw.	10	67	55	64	60
Ridgefield	30.03	30.35	7	29.09	9	.....	.....	.....	.....	.....	.....	.....	.....
Sandy Hook	30.03	30.43	7	29.09	9	13.9	39	nw.	10	75	59	68	60
Trenton	30.04	30.43	7	29.07	9	9.9	28	nw.	10	72	49	55	67

COMPARATIVE DATA FOR APRIL.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	.....	.....	.....	.....	.....
1886	50.6	86	27	3.40	.....	.....	.....	.....	.....
1887	47.3	87	16	2.70	.....	7	.....	.....	.....
1888	47.9	92	22	3.28	.....	9	.....	.....	.....
1889	51.2	83	25	5.32	.....	12	.....	.....	.....
1890	50.4	86	21	2.65	.....	8	.....	.....	.....
1891	52.0	88	20	2.19	.....	8	13	11	6
1892	49.3	87	19	2.49	.....	8	9	13	8
1893	49.2	82	19	5.21	.....	11	9	10	12
1894	50.3	88	10	3.09	.....	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	98	12	1.35	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	45.2	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	11.5	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	56.3	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	3	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	6.43	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49.3	85	16	4.64	T.	12	11	9	10
1938	53.0	94	12	2.82	2.8	9	14	8	8
Period	49.7	98	3	3.61	1.2	10	12	9	9

Climatological Data for April, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	53.4	+3.8	94	28	25	6	40	3.23	−0.53	0.90	5.5	10	21	3	6	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	50.3	+3.7	89	28	12	11	44	2.92	−1.40	0.75	7.0	9	13	10	7	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	3.13	−0.40	1.05	7.0	9	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	50.8ᵃ	+3.4	88	28	21	11	41	2.91	−1.15	0.84	8.0	11	5	17	8	......	William C. Harris
Layton....(near)	Sussex	480	37	49.2	+2.1	90	28	16	11	43	3.03	−0.46	0.65	7.8	9	8	9	13	w.	A. M. Depue.
Long Valley	Morris	660	7	51.4	......	86	28	21	11	39	2.62	......	0.78	6.0	8	21	6	3	n.	James E. Rice.
Newton	Sussex	769	55	50.2ᵃ	+2.2	88	28	21	6	34	2.31	−1.22	0.61	8.0	12	14	7	9	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	52.6	+3.0	90	28	26	11	37	3.61	+0.22	0.98	3.5	11	15	6	9	......	Town Engineer.
Sussex	Sussex	442	43	52.0	+3.6	91	28	21	6†	38	3.70	+0.17	0.99	9.0	10	10	10	10	......	A. J. W. Mowatt
Means and extremes	......	......	....	51.2	+3.1	94	28	12	11	44	3.05	−0.60	1.05	6.9	10	13	9	8	w.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	50.8	+2.7	86	28	23	11	37	3.01	−0.89	1.16	......	8	18	5	7	ne.	John Kline.
Canoe Brook	Essex	180	8	49.8	......	88	28	18	11	46	3.64	......	1.50	......	8	15	9	6	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	3.35	−0.87	1.21	5.0	11	18	5	7	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	55.0	+4.1	94	20†	24	11	48	3.77	−0.07	1.10	7.0	11	20	1	9	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§52	53.9	+3.7	89	28	24	11	42	2.61	−1.01	1.13	2.0	9	20	3	7	sw.	Hiram E. Deats
Jersey City	Hudson	81	40	55.2	+5.0	90	28	29	6†	32	3.48	−0.27	1.29	5.8	10	14	9	7	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	52.6	+2.4	85	28	25	6†	34	2.38	−1.42	1.02	1.0	7	17	6	7	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	52.8	+4.5	90	28	23	11	41	3.36	−0.80	1.20	5.0	12	17	5	8	w.	Passaic Valley Water Co
Newark	Essex	10	3	53.2	+3.0	89	28	28	6	35	2.91	−0.97	1.40	5.2	10	6	16	8	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	53.2	+3.5	87	28	25	11	34	3.00	−0.61	0.80	4.5	9	17	7	6	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	3.46	+0.04	1.18	......	11	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	55.0	+4.3	91	28	28	6†	35	3.95	+0.12	1.16	7.1	14	16	8	6	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	53.0	+3.6	90	28	25	11	39	3.34	−0.45	1.32	5.3	11	11	13	6	sw.	S. K. Pearson.
Ridgefield	Bergen	80	21	52.9	+5.0	86	20	28	6†	30	3.39	−0.06	1.00	6.0	14	9	12	9	nw.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	51.7	+2.2	87	28	23	6†	36	3.48	−0.18	1.38	5.2	12	6	11	13	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	3.47	+0.03	1.08	......	12	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	53.4	+4.0	85	28	29	6	28	3.02	−0.21	1.02	5.2	10	9	13	8	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	53.0	+3.7	94	20†	18	11	48	3.29	−0.49	1.50	4.9	11	14	8	8	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	......	......	......	......	......	......	....	1.65	−2.05	0.77	0	5	19	4	7	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	55.0	+2.7	90	28	27	11	36	1.82	−1.78	0.65	0	7	18	4	8	sw.	Bennett K. Matlack
Burlington	Burlington	12	§52	55.3	+3.3	89	28	29	6	38	2.35	−1.39	1.30	T.	10	18	4	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	55.0	......	88	28	28	11	35	2.34	......	1.32	0	6	14	4	12	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	53.4	......	89	28	25	6	39	2.45	−1.19	0.74	T.	10	22	3	5	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	55.2	......	89	28	25	11	39	1.68	−2.10	0.60	0	7	13	10	7	w.	J. G. Wilson.
Hightstown	Mercer	110	45	52.8	+2.4	87	28	25	6†	37	2.72	−1.17	0.73	0.2	10	16	7	7	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	76	49	54.6	+4.1	89	20	21	11	42	1.98	−1.82	1.33	0	7	12	11	7	sw.	James M. Armstrong.
Lakewood	Ocean	54	34	54.8	+5.3	92	28	23	11	35	2.53	−1.42	0.75	T.	8	10	11	9	w.	R. W. Holman.
Moorestown	Burlington	62	75	53.0	+2.5	87	28	27	11	37	2.43	−1.22	1.35	T.	7	8	12	10	nw.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	2.14	−1.18	0.96	0	6	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	56.1	......	90	28	29	6†	36	2.55	......	0.76	T.	8	10	10	10	sw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	55.0	......	90	28	25	11	38	2.49	......	1.08	0	7	17	3	10	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	52.0	+3.6	87	15	20	11	40	2.09	−1.33	1.72	......	6	18	5	7	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	53.0	+4.6	90	28	17	11	44	3.22	−0.74	0.97	......	9	19	6	5	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	53.5	+3.7	87	28	28	6	32	2.31	−0.63	0.99	0.2	9	5	12	13	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	53.7	......	87	28	26	11	34	2.63	......	0.97	0.3	8	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	54.0	+4.4	84	15	28	11	33	2.68	−1.09	1.46	0	11	16	6	8	ne.	John H. Brown.
Philadelphia, Pa.	......	26	67	55.2	+3.1	86	28	31	6	32	1.92	−1.13	1.04	T.	6	12	7	11	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	54.2	+3.7	92	28	17	11	44	2.34	−1.36	1.72	T.	8	15	7	8	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	52.0	+4.2	84	15	34	6	30	2.20	−0.79	1.74	0	7	4	15	11	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	52.2	+4.0	87	20	27	11	31	2.92	−1.35	0.87	1.4	12	7	15	8	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	51.9	+3.6	84	28	30	6	27	2.31	−1.31	1.03	5.3	11	7	12	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	52.0	+3.9	87	20	27	11	31	2.48	−1.15	1.74	2.2	10	6	14	10	s.	
For the State	......	......	....	§53.0	+3.3	94	20†	12	11	48	2.82	−0.79	1.74	2.8	9	14	8	8	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-6-4-38-900

Daily Precipitation for April, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	.04	T.				.61		.45	.55							.02	T.	.90	.10	.01	.40	.15			T.				T.	T.		3.23
Charlotteburg	Passaic	.26					.19	.54	.06	.75									.30	.51		.17	.14										2.92
Culvers Lake	Delaware						.25	.43	.47	1.05									.38	.08	.20	.17	.10								T.		3.13
Dover	Passaic	.14					.60	.20	.37	.36								.01	.84	.05	.11	.05	.18										2.91
Layton(near)	Delaware	T.					.47	.26	.46	.65									.36	.09	.32	.11	.31										3.03
Long Valley	Raritan						*	.60	.40	.38									.78		.10	.18	.15								.03		2.62
Newton	Delaware	.06	T				.32	.10	.32	.14			T.				T.		.61	.18	.05	*	.46							.01	.06		2.31
Phillipsburg	...do	.24	T	T.			.60	.30	.42	.43					T.	.03		T.	.98	.08	.33	T.	.14							T.	.06		3.61
Sussex	Hudson						.32	.58	.60	.99									.36	.22		.42	.16			.02					.03		3.70
The Red Sandstone Plain.																																	
Boonton‖	Passaic	.13						.63	T.	.84	.05								.03	1.16		.14	T.	.03			T.				T.		3.01
Canoe Brook‖	...do	T.		.02				.63		.98	.08								.22	1.50		.08	.13								T.		3.64
Chatham‖	...do	.04		.02				.48		.97	.12								.24	1.21		.07	.15	.03				.02					3.35
Elizabeth	Coast	T.		.02			.25	.82	.32	.58	.01						.01	T.	.48	1.10		T.	.13								.05		3.77
Flemington	Raritan	T.	T				.06	.39	.46	.32							.03	T.	1.13	.07		.06	.09							T.			2.61
Jersey City	Coast		.01	.01			.31	.55	.40	.48							T	.01	1.29	.27		T.	.15			T.					T.		3.48
Lambertville(nr.)	Delaware			T.			T.	.38	.32	.43							T.	T.	1.02			.02	.14								.07		2.38
Little Falls.‖	Passaic	.06		.01				.52		1.07	.03						.02		.16	1 20		.08	.14	.01							.06		3.36
Newark***	Coast		.01				.34	.13	.59	.22				T.		T.		T.	1.40	.06	T.	.01	.13							T.	.02		2.91
New Brunswick	Raritan	T.	T.				.02	.63	.38	.68							.04		.22	.80			.15								.08		3.00
New Milford**	Hackensack	.03	.02				.48	.26	.90	.28									1 18	.12	.08			.08			.03						3.46
Paterson	Passaic	.14	.02	.04			.34	.46	.53	.72					T.		.03		1.16	.17	*	.08	.17			T.				.07	.02		3.95
Plainfield	Raritan		.02				*	.70	.52	.43					T.		.05	T.	1.32	.06	T.	.03	.16							T.	.05		3.34
Ridgefield**	Hackensack		.01	.01			.30	.52	.74	.36					T.	T.	.03		1.00	.21		.04	.10			.02				.01	.04		3.39
Somerville(near)	Raritan		.03	T.			.22	.50	.54	.32							.02	T.	1.38	.10		.13	.16							.04	.04		3 48
Woodcliff Lake**	Hackensack	.17	.02				.47	.25	.80	.28									1.08	.12	.08			.10						.09	.01		3.47
New York, N. Y***	Coast		.01	T.			.50	.35	.74	.18						.01		T.	1.00	.08		T.	.11			T.				T.	.04		3.02
The Southern Interior.																																	
Belleplain	Tuckahoe		.18	T.				T.	.77	.50	T.								T.	.10			.10										1.65
Bridgeton	Delaware		.28						.65	.26									.14	.03			.26								.20		1.82
Burlington	Delaware	T.	.01	.01			T.	.04	.53	.77									.10	.70		.01	.12								.06		2.35
Camden**	..do		T.				T.	.02	1.09	.23								T.	.86	T.		T	.08								.06		2.84
Freehold	Raritan	.01	.03				T.	.35	.47	.74							.01		.23	.44			.11								.06		2.45
Hammonton	Mullica		.33	T.				.06	.60	.44									.05	.03		T.	.17								T.		1.68
Hightstown	Raritan	T.	.01	T.			T.	.22	.42	.70				T.			.01	T.	.73	.43		T.	.12							.01	.07		2.72
Indian Mills	Mullica		.20				T.	.05	.60	.73									T	.11			.12								.17		1.98
Lakewood	Metedeconk		.06	T.				.18	.56	.75									.02	.74			.10							T	.12		2.53
Moorestown‖	Delaware	.01		.01				.03	T	1.35	T.									.96		T.	.05	.02									2.43
Northfield	Coast		.18					T.	.81	.96									.11				.01								.07		2.14
N. Merchantville	Delaware	T.	.01	T.			T.	.02	.55	.76							T.		.66	.34		T.	.15								.06		2.55
Pemberton	Delaware		.04	T.				.01	.50	.65									.12	1.08			.09								T.		2.49
Pleasantville‖	Coast			.22				.01	T.	1.72									.02	.08			.04	T.									2.09
Runyon	Coast		.02	T			*	.62	.42	.83									.16	.97			.14								.06		3.22
Trenton***	Delaware		.01	T.		T.	.04	.08	.79	.16					T.		T.	T.	.98	.02	T.	T	.17								.06		2.31
Trenton No. 2**	...do		.02	T.			.03	.16	.81	.28								T.	.97	T.	T.	T.	.19								.17		2.63
Tuckerton	Coast		.12	.02			.02	.36	.26	1.46									.08	.04			.26							.02	.04		2.68
Phila., Pa***	Delaware		T.	T.			T.	.04	.86	.19									.69			T.	.10								.04		1.92
The Sea Coast.																																	
Atlantic City***	Coast	T.	.18					.01	1.38	.36								T.	.16			T.	.01			T.					.10		2.20
Long Branch**	...do		.04	T.			.39	.15	.87	.47				T.		.03	.03		.63	.03		T.	.11							.07	.10		2.92
Sandy Hook***	...do		.01	T.			.35	.14	.76	.28						.02	T.	T.	.47	.05		T.	.14							.01	.08		2.31

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ‡ Separate dates of falls not recorded. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation																																
	Wind movement																																
Pleasantville**	Evaporation	.160	.028	.032	.320	.128	.042	.032	.056	.160	.160	.160	.160	.160	.192	.256	.160	.084	.048	.224	.256	.152	.144	.160	.208	.160	.192	.160	.256	.160	.174		4.584
	Wind movement	59	48	23	148	90	111	120	86	194	90	149	77	89	69	100	156	47	167	81	145	79	120	68	88	59	75	138	134	56	27		2833
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for April, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	62	63	59	53	56	48	43	46	46	51	48	66	75	80	86	70	68	61	75	84	75	69	60	74	72	74	74	94	85	70	....	65.9
	Minimum	48	35	34	28	28	25	26	33	33	34	28	34	45	48	53	51	37	54	64	45	51	61	36	34	35	40	45	64	57	49	....	40.8
Charlotteburg	Maximum	65	64	52	46	45	26	49	49	51	44	56	66	70	77	78	61	59	60	69	83	81	67	58	57	67	74	76	89	88	82	....	63.6
	Minimum	46	34	30	24	22	22	24	30	31	32	12	36	35	42	53	48	28	47	62	43	48	49	33	34	28	32	39	55	55	47	....	37.0
Dover	Maximum	61	52	46	52	45	35	38	37	43	43	56	70	73	78	80	64	56	67	73	84	77	66	62	62	73	72	....	88	77	61	....	61.8[a]
	Minimum	47	35	32	28	28	25	26	32	33	38	21	38	38	49	58	44	32	46	53	48	52	50	36	33	32	38	44	57	59	45	....	39.9
Layton (near)	Maximum	65	55	46	48	43	35	42	35	38	40	58	71	73	84	80	66	55	64	72	85	71	63	62	64	69	75	76	90	72	61	....	61.9
	Minimum	41	29	33	32	23	17	25	32	32	31	16	30	32	47	50	60	30	50	53	42	42	48	33	25	28	32	40	52	51	48	....	36.5
Long Valley	Maximum	63	64	50	52	42	34	44	37	42	40	60	70	72	85	85	72	62	74	72	85	72	64	64	65	65	72	70	86	83	70	....	63.5
	Minimum	42	32	31	27	24	24	24	30	30	31	21	36	36	52	55	52	50	48	51	48	50	50	35	34	35	36	42	55	55	48	....	39.4
Newton	Maximum	64	58	43	47	41	35	39	35	38	40	57	68	72	81	81	72	56	67	72	82	....	72	63	66	65	72	71	88	79	61	....	61.6[a]
	Minimum	47	32	31	29	26	21	24	20	31	31	23	36	39	50	60	43	34	49	52	52	....	47	37	35	33	43	47	55	53	47	....	88.9[a]
Phillipsburg	Maximum	64	53	49	52	50	35	39	37	41	46	60	71	74	82	83	66	68	69	76	85	72	69	65	64	70	77	77	90	80	64	....	63.9
	Minimum	47	35	33	31	31	28	28	34	34	35	26	35	39	48	51	46	40	65	54	47	53	49	38	35	35	47	42	53	59	47	....	41.2
Sussex	Maximum	65	61	48	50	47	37	40	40	38	40	58	71	73	82	82	77	70	66	70	84	78	68	61	68	68	77	78	91	82	71	....	64.7
	Minimum	46	33	32	25	26	21	25	32	32	36	21	34	40	47	54	49	32	50	53	47	48	51	36	34	33	36	45	55	58	48	....	39.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	63	47	46	50	44	31	40	36	46	43	57	69	73	80	80	67	59	68	73	83	75	65	61	63	68	72	75	86	79	62	....	62.0
	Minimum	41	35	35	27	30	26	26	30	33	35	23	33	39	45	51	52	32	46	53	46	51	51	39	34	37	36	39	55	57	48	....	39.5
Canoe Brook§§	Maximum	65	46	69	52	48	37	39	38	47	45	58	67	73	82	84	64	59	70	78	84	76	67	61	62	68	76	78	88	81	67	....	63.9
	Minimum	43	30	30	21	24	19	30	30	32	34	18	29	32	37	50	51	29	47	53	46	42	48	35	26	28	34	38	42	54	42	....	35.8
Elizabeth	Maximum	67	63	50	56	52	45	40	39	49	55	62	76	74	86	86	84	63	77	78	94	91	70	73	67	70	78	82	94	86	86	....	69.8
	Minimum	41	34	33	27	30	26	27	33	33	35	24	34	40	43	53	53	36	49	64	46	53	48	37	36	39	38	42	53	65	47	....	40.3
Flemington	Maximum	68	64	64	56	54	45	38	38	50	60	61	75	77	85	86	75	63	72	79	88	78	70	65	63	73	77	79	89	83	75	....	67.7
	Minimum	46	34	34	26	27	27	27	34	36	35	24	32	40	44	54	54	33	53	54	46	53	61	36	35	35	39	41	51	56	46	....	40.1
Jersey City	Maximum	66	65	48	52	50	45	40	41	50	45	52	66	67	82	84	75	58	66	76	86	85	66	66	61	64	67	72	90	87	78	....	65.0
	Minimum	48	40	37	37	33	29	29	35	35	37	33	45	47	51	61	55	44	50	58	57	56	60	40	43	43	47	49	58	63	54	....	45.5
Lambertville (near)	Maximum	64	63	60	51	48	36	34	38	51	45	58	71	74	81	83	72	59	70	72	83	72	63	59	62	68	74	76	85	80	68	....	64.0
	Minimum	41	34	33	29	28	25	26	32	36	34	25	40	46	47	63	52	35	53	53	50	52	49	35	40	37	40	50	53	51	47	....	41.2
Little Falls§§	Maximum	67	48	49	52	47	33	42	37	46	45	60	73	75	83	83	69	60	66	76	87	76	69	63	64	71	79	80	90	82	66	....	64.6
	Minimum	42	36	34	29	30	26	26	32	32	35	23	34	39	45	65	60	34	50	55	48	60	50	37	35	35	38	44	50	59	50	....	41.1
Newark	Maximum	65	48	48	52	45	32	40	38	51	44	61	67	67	83	84	64	55	69	75	85	74	67	61	60	67	70	80	89	82	66	....	62.9
	Minimum	48	40	36	34	31	28	29	36	36	37	29	42	47	50	57	45	39	52	58	54	54	48	41	41	42	43	45	55	60	47	....	43.5
New Brunswick	Maximum	65	63	47	48	48	41	38	38	53	53	57	70	69	81	81	79	57	65	73	84	81	65	63	59	67	74	77	87	85	74	....	64.7
	Minimum	47	36	33	29	31	26	28	34	36	35	25	39	42	48	54	51	36	52	56	52	54	49	39	35	38	40	43	53	58	48	....	41.6
Paterson	Maximum	67	62	49	53	47	40	43	39	45	50	60	71	72	83	84	80	61	65	74	86	76	68	64	64	70	74	80	91	87	79	....	66.1
	Minimum	48	39	34	33	32	28	28	34	35	36	29	40	44	48	60	54	38	52	57	52	55	52	40	40	41	44	47	59	63	52	....	43.8
Plainfield	Maximum	66	55	50	53	50	34	39	37	52	47	60	72	72	83	86	71	58	71	76	86	77	70	61	62	68	74	80	90	81	66	....	64.9
	Minimum	48	35	35	29	31	27	28	34	35	34	25	34	42	44	55	46	37	51	56	48	54	51	39	37	37	38	43	53	58	48	....	41.1
Ridgefield	Maximum	66	46	49	50	45	35	40	38	47	43	55	68	72	80	82	67	59	64	73	86	74	67	62	62	68	71	76	84	81	64	....	62.5
	Minimum	47	38	35	35	31	28	28	35	35	33	28	41	43	50	60	53	39	52	56	58	54	46	39	40	40	43	47	57	62	46	....	43.3
Somerville (near)	Maximum	64	53	46	51	47	34	38	36	47	45	59	70	73	82	83	71	56	69	73	84	76	67	61	61	67	72	76	87	79	65	....	63.0
	Minimum	48	32	32	28	29	23	26	33	33	34	23	40	42	48	58	45	36	54	53	51	51	49	35	35	35	39	43	54	59	45	....	40.4
New York, N. Y.	Maximum	64	49	47	50	46	38	43	41	51	43	62	65	68	78	81	63	53	65	74	81	74	65	60	60	66	68	72	85	80	64	....	61.5
	Minimum	48	40	37	38	31	29	31	36	37	35	33	46	51	53	60	45	44	51	56	58	54	47	40	45	48	48	49	57	58	50	....	45.2
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	65	60	50	57	53	45	39	44	65	50	60	73	76	85	85	75	65	75	76	89	78	66	62	67	72	70	77	90	83	72	....	67.5
	Minimum	62	39	35	29	36	30	34	36	42	38	27	42	41	47	60	51	41	63	53	54	50	50	39	36	39	40	41	55	53	45	....	42.6
Burlington	Maximum	65	63	49	53	53	45	39	39	60	56	60	71	77	81	82	77	64	75	74	87	85	70	67	63	70	75	80	89	88	76	....	67.8
	Minimum	49	39	37	31	34	29	32	37	38	36	35	38	40	47	51	54	40	56	61	49	50	51	39	34	40	40	42	51	57	49	....	42.8
Camden	Maximum	67	54	50	55	52	39	38	40	59	48	60	72	79	83	85	66	62	75	75	86	76	67	61	63	70	75	79	88	82	68	....	65.8
	Minimum	52	30	36	35	34	30	32	37	38	37	28	44	44	50	64	54	42	57	57	54	55	50	41	37	41	43	46	56	60	60	....	44.1
Freehold	Maximum	64	57	48	52	48	42	36	39	58	46	60	71	71	80	83	75	74	73	73	85	77	65	61	59	65	71	78	89	82	74	....	65.2
	Minimum	45	34	30	28	30	25	30	36	38	36	26	42	42	48	55	49	35	53	56	53	53	48	35	36	38	41	43	60	58	48	....	41.7
Hammonton	Maximum	66	60	48	56	52	49	38	40	61	59	63	71	78	84	86	81	62	75	75	88	84	65	66	63	73	75	80	89	84	71	....	68.0
	Minimum	51	40	35	29	37	27	34	37	40	37	25	42	39	45	51	51	37	55	55	51	54	51	37	31	36	37	42	57	60	45	....	42.3
Hightstown	Maximum	64	61	49	52	48	45	37	38	57	45	59	70	75	81	82	73	60	73	72	84	78	66	61	60	69	74	78	87	82	70	....	65.0
	Minimum	46	34	34	30	30	25	29	35	37	35	25	41	38	48	52	50	32	63	55	50	53	49	37	32	35	38	41	52	58	44	....	40.6
Indian Mills	Maximum	68	61	50	55	52	47	39	40	64	58	61	72	79	85	86	80	62	78	75	89	84	65	65	63	72	76	80	80	86	73	....	68.1
	Minimum	44	36	32	26	34	27	32	38	40	37	21	39	37	45	46	51	36	55	55	57	54	50	36	30	38	37	40	55	59	44	....	41.0
Lakewood	Maximum	67	61	52	56	53	44	39	40	65	52	58	71	70	86	86	77	60	76	77	89	80	68	64	58	64	68	76	92	86	74	....	67.0
	Minimum	47	35	34	27	33	26	36	37	40	37	23	44	38	49	53	51	33	54	57	51	55	58	36	31	44	39	41	57	59	49	....	42.5
Moorestown	Maximum	66	51	49	54	50	39	37	40	62	47	60	71	76	82	84	65	64	73	74	84	77	66	61	62	69	74	78	87	79	65	....	64.9
	Minimum	49	36	32	32	31	28	31	36	37	31	27	39	43	48	53	41	39	56	57	51	52	45	38	33	38	39	41	51	56	45	....	41.2
N. Merchantville	Maximum	68	58	52	56	52	46	38	39	60	48	63	74	79	85	85	77	64	74	76	88	76	70	64	65	72	76	82	90	81	75	....	67.8
	Minimum	49	38	38	33	35	29	31	37	38	37	29	45	46	50	56	53	41	56	56	53	56	52	39	39	41	43	46	55	60	51	....	44.4
Pemberton	Maximum	66	60	50	54	53	49	38	39	63	50	60	73	77	83	83	80	62	74	74	85	83	67	66	63	71	76	79	90	88	75	....	67.7
	Minimum	48	36	32	30	33	34	31	36	38	36	25	41	39	47	51	52	37	57	56	52	55	50	38	34	40	38	42	53	59	46	....	42.2
Pleasantville§§	Maximum	70	49	50	58	53	40	41	53	65	50	55	60	66	70	87	58	58	63	77	78	70	65	58	57	58	58	65	83	80	67	....	62.1
	Minimum	48	38	32	24	32	28	35	36	38	37	20	44	35	48	47	49	41	50	53	51	53	50	39	45	44	43	45	52	56	42	....	41.8
Runyon	Maximum	60	48	49	52	38	33	39	37	40	61	61	64	70	81	86	75	74	72	77	86	80	68	72	76	79	82	86	90	84	68	....	66.3
	Minimum	31	34	32	28	24	19	24	34	34	35	17	26	38	48	60	38	44	50	55	48	60	48	35	38	44	46	49	58	52	45	....	39.8
Trenton	Maximum	64	51	48	52	48	34	38	40	58	46	59	69	75	82	84	64	60	72	74	85	75	66	60	60	68	74	77	87	79	66	....	63.8
	Minimum	48	40	34	34	32	28	29	36	38	35	30	43	47	50	56	42	38	56	56	55	54	48	39	38	41	43	45	56	57	48	....	43.2
Trenton No. 2	Maximum	66	53	49	54	50	35	38	39	58	47	60	71	76	83	84	68	61	73	75	86	76	67	64	64	70	75	79	87	81	68	....	65.2
	Minimum	48	36	35	34	32	28	30	36	37	34	26	42	42	49	56	42	37	55	55	52	54	50	38	35	38	41	45	54	57	47	....	42.2
Tuckerton	Maximum	72	62	52	59	58	50	48	51	65	60	56	60	60	72	84	74	59	61	75	80	73	67	61	60	60	65	64	80	70	73	....	64.4
	Minimum	49	37	36	32	38	35	36	38	40	38	28	48	40	50	51	50	41	48	55	52	50	50	38	36	40	45	49	55	55	48	....	43.6
Philadelphia, Pa.	Maximum	65	55	48	54	49	38	39	41	57	48	59	70	75	82	83	67	61	71	73	85	74	67	61	62	68	72	78	86	78	66	....	64.4
	Minimum	51	42	39	38	35	31	32	37	38	38	35	47	50	53	60	44	42	59	58	55	54	48	41	45	45	47	46	58	59	52	....	46.0
The Sea Coast.																																	
Atlantic City	Maximum	68	53	49	57	52	41	41	51	61	51	50	55	60	65	84	67	54	57	76	66	66	64	54	52	52	52	58	66	75	64	....	58.7
	Minimum	51	43	37	41	38	34	37	40	38	38	36	46	48	49	54	44	46	49	52	53	52	50	43	43	44	44	47	54	55	49	....	45.2
Long Branch	Maximum	66	55	49	54	49	35	40	41	54	47	51	66	57	75	85	66	54	64	75	87	68	66	58	58	59	61	68	86	78	68	....	61.3
	Minimum	45	42	35	32	33	29	31	37	38	35	27	47	43	46	58	44	39	50	58	56	52	49	39	34	46	42	45	58	59	46	....	43.2
Sandy Hook	Maximum	61	48	47	51	47	34	39	40	52	44	48	63	56	72	79	61	55	64	70	81	68	64	58	57	59	64	66	84	79	65	....	59.2
	Minimum	44	42	38	38	34	30	31	37	38	36	33	45	45	48	54	45	44	52	54	56	51	48	43	45	46	46	49	57	57	51	....	44.6

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

Vol. XLIII. May, 1938. No. 5.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month was nearly normal in respect to both temperature and precipitation. The mean temperature was slightly below the normal figure of 60.4 degrees. The maxima were practically all in the eighties, although a few scattered stations did not reach this eighty-degree mark. These highest temperatures were generally recorded on either the 2d, 6th or 28th. The minima showed a considerable range, 26° to 43°; most of the stations, however, had a temperature recording somewhere in the thirties.

The average precipitation for the State, as mentioned before, was nearly normal, the computed figure being slightly below that which might have been expected. Although the departure from normal is slight, it brings this month into the category of being the fourth consecutive month with precipitation below normal. The rainfall was well distributed both as to area and time of occurrence. The heaviest rainfall occurred during the 14-15th when the majority of stations measured close to two inches.

The cranberry bogs experienced a killing frost on the 31st which caused considerable damage, the last killing was, however, not later than the 13th in most sections.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 59.2°, which was 1.2° below normal. The highest temperature was 89° at Elizabeth and Pemberton on the 2d and 28th respectively, and the lowest, 26°, at Canoe Brook and Charlotteburg on the 13th and 14th respectively. The greatest daily range of temperature was 44° at Elizabeth on the 2d. The highest monthly mean temperature was 62.8° at North Merchantville, and the lowest, 56.1° at Canoe Brook.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +2.5°; Red Sandstone Plain, +2.5°; Southern Interior, +2.8°; Sea Coast, +3.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 45 stations, was 3.52 inches, which was 0.21 inch below normal. The greatest monthly precipitation was 4.68 inches, at Woodcliff Lake, and the least, 2.63 inches at Newark. The greatest amount of precipitation in any 24 consecutive hours was 2.13 inches at Culvers Lake on the 15th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands. —2.33 inches; Red Sandstone Plain, —3.06 inches; Southern Interior, —4.51 inches; Sea Coast, —4.98 inches.

ERRATA.

JANUARY, 1938. Little Falls: greatest precipitation in 24 hours, 2.38 on 24-25th. Indian Mills: clear days, 9; cloudy days, 10.

FEBRUARY, 1938. Front page, last paragraph should read "The precipitation accumulated departure from the normal for the year 1938, to date, by sections is: The Highlands, −0.53 inch; Red Sandstone Plain, −1.10 inches; Southern Interior, −1.36 inches; Sea Coast, −1.83 inches."

DATES OF MISCELLANEOUS PHENOMENA.

Hail: 10.

Dense Fog: 1, 9, 20, 22, 23, 24, 27, 28.

Thunderstorms: 4, 5, 6, 10, 14, 15, 20, 21, 22, 23, 24.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.96	30.41	31	29.24	15	14.3	40	w.	14	78	67	76	55
Long Branch	29.93	30.44	31	29.16	15	10.7	34	nw.	15	70	63	55	62
Ridgefield	29.93	30.40	31	29.17	15	....	....	....	....	....	....	....	....
Sandy Hook	29.94	30.41	31	29.13	15	12.0	33	w.	15	79	63	73	56
Trenton	29.94	30.40	31	29.26	15	8.4	24	nw.	16	73	52	58	65

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	......	......	......	......
1886	58.8	87	36	6.07	0	......	......	......	......
1887	63.3	94	35	1.37	0	6	......	......	......
1888	58.6	90	26	4.92	0	16	......	......	......
1889	62.3	94	32	4.09	0	12	......	......	......
1890	60.7	87	33	4.24	0	12	......	......	......
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	**21**	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
1938	59.2	89	26	3.52	0	12	10	9	12
Period	60.4	102	21	3.73	0	11	13	9	9

Climatological Data for May, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	60.4	0.0	84	22	32	13	38	3.50	−0.04	1.77	0	11	16	2	13	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	57.2	0.0	86	4	26	14	38	3.32	−0.56	1.70	0	11	14	4	13	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	3.96	+0.13	2.13	0	5	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	56.7	−1.7	79	2†	32	13	31	3.43	−0.20	1.33	0	12	5	13	13	......	William C. Harris
Layton (near)	Sussex	480	37	56.6	−0.9	81	28	27	13	36	2.98	−0.16	1.64	0	8	8	7	16	sw.	A. M. Depue.
Long Valley	Morris	660	7	57.4	......	86	28	31	13	37	3.35	......	1.50	0	10	17	10	4	s.	James E. Rice.
Newton	Sussex	769	55	57.0	−2.4	79	28	34	13	32	3.40	−0.21	1.68	0	14	8	10	13	nw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	59.9	−1.1	86	2	34	13	40	3.29	−0.02	0.91	0	12	10	9	12	......	Town Engineer.
Sussex	Sussex	442	43	58.2	−1.1	82	28†	30	13	36	3.30	−0.13	1.95	0	10	11	8	12	......	A. J. W. Mowatt
Means and extremes	......	......	....	57.9	−1.0	86	2†	26	14	40	3.39	−0.15	2.13	0	10	11	8	12	w.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	57.2	−1.1	81	28	32	14	33	3.92	+0.22	1.63	0	11	14	1	16	nw.	John Kline.
Canoe Brook	Essex	180	8	56.1	......	83	6	26	13	41	3.62	......	1.74	......	9	13	13	5	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	3.76	−0.16	1.67	0	13	14	9	8	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	60.0	−1.7	89	2	34	13	44	3.18	−0.46	1.46	0	12	14	4	13	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§52	61.0	0.0	86	2	34	13	36	3.61	+0.09	1.46	0	13	19	2	10	e.	Hiram E. Deats
Jersey City	Hudson	81	40	61.6	+0.3	82	2	41	12	31	3.34	−0.11	1.62	0	13	9	12	10	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	58.4	−2.6	81	5	37	12†	32	3.51	−0.15	1.28	0	10	14	3	14	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	59.1	−0.7	83	6	33	13	35	3.72	−0.22	1.70	0	13	7	11	13	e.	Passaic Valley Water Co
Newark	Essex	10	3	59.7	−1.4	82	2	37	13	30	2.63	−1.24	0.91	0	10	3	16	12	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	59.0	−1.4	82	6	35	13	31	3.55	−0.11	1.30	0	11	11	12	8	e.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	4.03	+0.52	1.54	......	11	....	....	....	......	Hackensack Water Co
Paterson††	Passaic	95	68	61.0ᵃ	−0.5	84	6	38	13	28	4.07	+0.30	1.78	0	11	16	4	11	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	59.6	−0.2	84	6	34	13	35	3.54	−0.19	1.72	0	11	7	11	13	nw.	S. K .Pearson.
Ridgefield	Bergen	80	21	59.4	+0.3	80	2	38	13	28	3.73	+0.26	1.68	0	11	10	9	12	nw.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	58.3	−2.2	83	6	35	13	32	3.68	+0.14	1.66	0	11	2	14	15	se.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	4.68	+1.34	1.64	......	11	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	59.4	−1.2	78	2	38	12	28	3.49	+0.25	1.88	0	11	6	10	15	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	59.1	−1.0	89	2	26	13	44	3.63	0.00	1.74	0	11	11	9	11	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	......	......	......	......	......	......	...	3.78	+0.26	1.09	0	13	9	11	11	se.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	61.6	−1.9	86	24	38	13	36	3.96	+0.69	1.35	0	15	11	10	10	se.	Bennett K. Matlack
Burlington	Burlington	12	§52	61.4	−1.5	86	6	38	13	36	3.47	−0.04	0.95	0	14	15	5	11	w.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	3.25	......	1.07	0	11	9	7	15	nw.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	59.8	......	83	6†	38	13	31	3.90	+0.12	1.11	0	12	17	6	8	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	60.6	......	87	6	36	13	34	3.14	−0.47	1.34	0	10	14	6	11	w.	J. G. Wilson.
Hightstown	Mercer	110	45	58.8	−2.0	83	6	36	13	36	3 41	−0.20	0.88	0	13	11	10	10	e.	James R. Pickering.
Indian Mills‡‡	Burlington	76	49	60.4	−1.3	86	6†	36	31	43	3.83	+0.49	1.27	0	10	7	16	8	se.	James M. Armstrong.
Lakewood	Ocean	54	34	60.2	+0.2	86	6	36	13	34	3.54	−0.24	1.02	0	12	7	5	19	ne.	R. W. Holman.
Moorestown	Burlington	62	75	59.8	−1.4	83	6	40	12†	31	3.23	−0.29	1.14	0	11	5	9	17	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	3.41	+0.17	0.70	0	15	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	62.8	......	84	6†	41	12†	33	3.41	......	0.87	0	11	4	13	14	se.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	60.8	......	89	28	36	13	36	3.44	......	0.97	0	13	12	6	13	ne.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	56.8	−2.0	88	6	34	13	38	3.50	+0.32	0 97	......	15	13	11	7	e.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	56.6	−2.8	83	3	27	13	39	3.56	−0.34	1.60	......	9	15	14	2	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	60.1	−1.0	84	6	39	12	30	2.95	−0.13	1.25	0	10	3	11	17	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	60.7	......	85	6	39	13	34	3.54	......	0.96	0	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	59.7	−0.1	84	7	38	13	34	3.23	−0.21	0.68	0	17	11	6	14	ne.	John H. Brown.
Philadelphia, Pa.	......	26	67	61.5	−1.4	82	6	42	12	28	2.86	−0.40	1.01	0	10	5	13	13	e.	U. S. Weather Bureau.
Means and extremes	......	......	....	60.0	−1.4	89	28	27	13	43	3.47	+0.01	1.60	0	12	10	9	12	se.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	59.4	+1.3	87	6	42	12	31	3.56	+0.51	0.88	0	13	2	15	14	ne.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	58.0	0.0	85	24	38	13	30	3.93	+0.08	1.50	0	13	4	15	12	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	58.2	−0.2	77	6	43	12	25	3.32	−0.40	1.23	0	11	4	11	16	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	58.5	+0.4	87	6	38	13	31	3.60	+0.06	1.50	0	12	3	14	14	w.	
For the State	......	......	....	59.2	−1.2	89	2†	26	13†	44	3.52	−0.22	2.13	0	12	10	9	12	w.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-6-29-38-900

Daily Precipitation for May, 1938

Stations	Drainage Basin	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware			.01	.09					.12	.35				.13	1.77				T.	.04		.15	T.	.32		.15	.37					3.50
Charlotteburg	Passaic	.02								.06	.38				.04	1.70	.02				.06		.32			.21	.16	.35					3.32
Culvers Lake	Delaware									.06					T.	2.13					T.		.52	T.	.92		T.	.33					3.96
Dover	Passaic						.03			.10	.25		.03		.20	1.33				.03	.02		.20		.59		.53	.12					3.43
Layton(near)	Delaware								T.	.08					.07	1.57					.06		.25		.75		.08	.12					2.98
Long Valley	Raritan						.05			.16					.18	1.50					.12		.18		.51	.05	*	.60					3.35
Newton	Delaware			.01			T.			.05	.07				.13	1.68	.01				.08	.01	.41	.01	.45		.25	.21		.03			3.40
Phillipsburg	...do			T.	.02		.02		T.	.05	.35				.81	.91				.09	.04	T.	.13	T.	.30		.38	.19					3.29
Sussex	Hudson									.06	.01					1.95					.03	.04	.37	.02	.54		*	.28					3.30
The Red Sandstone Plain.																																	
Boonton‖	Passaic	T.					.02				.37	.05	.04			1.63	T.				.01	T.	.34		.05	.42		.98	.01				3.92
Canoe Brook‖	...do	.02					T				.23	T.	.24			1.74					.04		.19		.16	.26		.74	T.				3.62
Chatham‖	...do	.01			T.		T.				.22	.21	.13			1.67	.03				.04	.03	.14		.12	.33		.78	.05				3.76
Elizabeth	Coast	T.		T.			T.			.10	.41		.12		.20	1.46	.01			.01	T.		.10		.20	.05	.22	.30					3.18
Flemington	Raritan			T.	.11					.03	.40		.12		.23	1.46			T.	.02	.03		.27	T.	.30	.09	.26	.29					3.61
Jersey City	Coast			T.			.03		T.	.04	.37	T.	.13		.11	1.62				T.	.02		.20	T.	.02	.25	.16	.38		.01			3.34
Lambertville(nr.)	Delaware			T.						.06	.47		.21		.22	1.28			T.		.02	.39		T.	.19		.31	.36					3.51
Little Falls‖	Passaic	T.				*	.02				.24	.07	.07			1.70	.01					.01	.31		.15	.42		.70	.02				3.72
Newark***	Coast			T			T.		T.	.05	.29	T.	.08		.90	.44				.02	T.	T.	.12	T.	.23		.45	.05					2.63
New Brunswick	Raritan	T.		T.						.08	.48		.19		.13	1.30				.01	.06		.34		T.	.37	.21	.38					3.55
New Milford**	Hackensack									.06	.30	.06			.67	1.54					.07		.32		.46		.28	.24	.03				4.03
Paterson	Passaic			T.			T.			.05	.31	T.	.04		.24	1.78				T.	.03			.45	.75	.01	*	.41					4.07
Plainfield	Raritan			T.	T.		T.		T.	.10	.27		.10		.40	1.32				.06	.01		.23		.33		.50	.22		T.			3.54
Ridgefield**	Hackensack			T.			.31		T.	.04	.28		.11		1.12	.56					.04		.22		.43		.23	.39					3.73
Somerville(near)	Raritan									.08	.34		.16		.38	1.28				.03	.04		.25	T.	.40		.33	.39					3.68
Woodcliff Lake**	Hackensack									.05	.37	.04			.88	1.64					.04		.38		.63		.42	.20	.03				4.68
New York, N. Y***	Coast			T.			.01		T.	.05	.35	T.	.14		1.11	.77				.01	T.		.21	T.	.09		.56	.19					3.49
The Southern Interior.																																	
Belleplain	Tuckahoe	.26			.13	T.					T.	T.	.32		.11	.74	.14		.08				.20	.18	.10	.30	.13	1.09		T.			3.78
Bridgeton	Delaware						.08			.01	T.	.10	.22		.32	.62	.04		.09	T.	.02		.31	.15	.16	.09	.40	1.35		T.			3.96
Burlington	Delaware	.03		T.	.02					.18	.03		.30		.18	.95			T.		.06		.47	.02	.34	.01	.34	.54					3.47
Camden**	..do								T.	.08	.22	.01	.26		.97	.18			T.	T.	.01		.23	T.	.22		.73	.34			T.		3.25
Freehold	Raritan						.03			.12	.64		.24		.09	1.11				.01	T.		.29	.01	.23		.28	.85		T.			3.90
Hammonton	Mullica	.17							T.	.04	T.	T.			.10	.90	T.		T.	T.	T.		.30	.10	.11	.08	.15	1.19		T.			3.14
Hightstown	Raritan	.01		.01	.04					.08	.48	T.	.24		.35	.88			T.	T.	.01	T.	.38	T.	.17	T.	.26	.50		T.			3.41
Indian Mills	Mullica									.41		.10	.13		.28	.74			T				.26	.04	T.	.35	.25	1.27					3.83
Lakewood	Metedeconk	.04		T.	.09					.10	.26	T.	.25		.18	1.02			T.	T.	T.		.30	.03	T.	.02	.25	1.00	T.				3.54
Moorestown‖	Delaware	.04								.02	.19		.26			1.13	.03						.21		.07	.11		1.14	.03	T.			3.23
Northfield	Coast	.02							T.	.03	.11	.13	.17		.32	.70	T.		.02	T.	T.		.35	.18	.41	.22	.14	.59		.02			3.41
N. Merchantville	Delaware									.10	.24	T	.28		.22	.87	.02		T.	T.	.01	T.	.27	T.	.42	T.	.40	.58	T.	T.			3.41
Pemberton	Delaware	.06			.07					.10	.23		.19		.18	.92			T.	T		T.	.29	.03	.02		.37	.97	.01				3.44
Pleasantville‖	Coast	.11								T.	.02	.07	.20	.03		.97	.08			.03	.01		.33		.18	.72		.72	.01	.02	T.		3.50
Runyon	Coast										.52		.16		*	1.60					.05		.31			.16	.20	.56					3.56
Trenton***	Delaware			T.	T.				T.	.09	.17	T.	.20		.78	.47			T.	T.	.01		.31	T	.08		.62	.22		T.			2.95
Trenton No. 2**	...do			T.					.01	.09	.23	T.	.21		.81	.67			T.	T.	T.		.32	T	.24		.73	.23					3.54
Tuckerton	Coast	.02			.03					.01	.02		.16		.14	.66	.04		.01	.03			.35	.12	.04	.64	.26	.68	.02				3.23
Phila., Pa***	Delaware								T.	.07	.12	T.	.26		.88	.15	T.		T	T.	.02	T.	.25	T.	.29		.52	.30		T.			2.86
The Sea Coast.																																	
Atlantic City***	Coast						T.		T	.02	.06	.08	.13		.83	.10	T.		.01	.01	T.		.63	.15	.83		.15	.56					3.56
Long Branch**	...do	.01		T.	T.		.09		T.	.11	.58	T.	.31		.81	.52				01	T.		.20	.04	.05		.72	.48					3.93
Sandy Hook***	...do						.01		T.	.08	.38	T.	.20		.56	.67				.01	T.	T.	.22	T.	.07		.74	.38					3.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m to 1:30 a.m. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡ Separate dates of falls not recorded.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation																																
	Wind movement																																
Pleasantville**	Evaporation	.144	.320	256	.160	.224	.288	.352	.144	.100	.102	.104	.174	.128	.010	.112	.288	.320	.126	.170	.096	.042	288	.084	000	.192	.080	.026	.148	.144	.256	.144	5.022
	Wind movement	91	68	55	48	57	65	74	38	34	65	49	59	80	103	104	117	65	38	62	66	17	108	73	92	68	28	32	66	99	102	55	2078
Runyon	Evaporation	.160	.180	.180	.180	.180	.180	.190	.185	.120	.070	*	*	.160	.120	.240	.160	.200	.120	.120	.050	.180	.130	.160	.120	.160	.000	.040	.220	.160	.220	.180	4.365
	Wind movement	33	36	32	39	33	26	24	26	28	37	37	34	25	53	71	85	54	22	38	27	22	33	26	35	59	19	22	28	78	84	32	1193

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for May, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	80	80	75	80	78	82	78	76	72	60	60	69	63	63	55	63	79	75	65	67	83	84	76	68	74	63	77	83	75	64	78	72.4
	Minimum	42	48	47	52	48	61	45	50	47	45	40	40	32	35	45	44	49	48	50	53	54	54	55	58	52	41	54	56	58	46	50	48.4
Charlotteburg	Maximum	66	78	77	86	79	77	76	75	69	59	60	57	61	64	51	66	72	71	63	62	69	75	70	74	74	66	67	79	76	65	67	69.4
	Minimum	33	44	50	50	47	52	48	48	39	40	38	48	28	26	43	43	43	57	46	50	55	45	56	55	39	31	53	57	58	43	31	45.0
Dover	Maximum	67	79	62	70	77	79	75	64	58	59	60	57	60	60	52	67	73	69	62	64	71	73	65	73	63	63	67	77	65	62	65	66.4
	Minimum	40	48	49	54	45	58	50	50	45	44	42	39	32	33	44	44	50	50	48	51	56	52	49	56	43	38	54	58	52	46	36	47.0
Layton(near)	Maximum	71	72	71	74	78	79	75	67	58	63	60	55	62	62	51	69	72	71	65	63	70	77	69	75	69	68	74	81	74	69	72	68.9
	Minimum	48	41	43	50	42	55	43	43	43	42	39	33	27	28	43	45	52	41	48	52	50	50	49	56	33	35	52	52	59	45	37	44.4
Long Valley	Maximum	64	80	76	74	80	80	80	68	62	60	58	60	68	56	56	64	74	73	64	64	74	75	73	74	69	64	66	86	67	68	72	69.3
	Minimum	40	48	50	54	44	50	46	47	44	42	41	38	31	32	43	42	44	47	47	50	55	51	48	55	40	38	50	55	55	44	35	45.4
Newton	Maximum	67	77	72	73	78	77	76	71	58	59	60	55	61	62	50	65	73	70	64	62	70	73	71	72	67	65	68	79	70	65	69	67.7
	Minimum	42	53	48	49	46	59	46	49	46	40	42	38	34	35	42	43	46	47	48	50	55	50	49	55	39	38	53	56	55	45	37	46.3
Phillipsburg	Maximum	71	86	72	72	82	84	83	75	61	60	64	58	67	61	53	72	79	68	65	68	78	79	69	74	68	63	67	81	70	66	71	70.5
	Minimum	43	46	50	54	50	61	50	52	49	48	44	43	34	38	46	46	48	50	57	54	56	56	55	58	43	43	55	58	54	48	39	49.3
Sussex	Maximum	69	77	73	78	81	78	77	73	59	61	60	57	62	65	54	65	72	74	70	62	67	76	76	74	70	68	71	82	82	71	73	70.2
	Minimum	40	47	47	50	46	58	48	47	47	42	40	39	30	31	43	45	49	44	48	51	54	51	50	50	49	38	55	54	59	45	37	46.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	68	78	70	70	76	79	77	65	60	62	60	58	61	63	54	67	74	73	64	65	71	76	69	74	66	66	71	81	69	67	69	68.5
	Minimum	39	49	48	52	44	50	51	44	44	46	39	39	33	32	39	44	49	53	49	50	53	50	48	54	44	38	46	56	56	45	36	45.8
Canoe Brook§§	Maximum	69	81	72	68	75	83	78	68	60	62	58	60	63	64	55	69	77	75	63	67	73	76	67	79	68	66	72	80	68	65	65	69.2
	Minimum	35	40	43	44	40	51	49	40	40	39	40	34	26	31	44	44	45	46	40	51	54	48	44	53	40	36	53	56	51	41	35	43.0
Elizabeth	Maximum	75	89	86	72	78	86	85	86	64	65	66	62	66	63	56	72	80	72	65	68	79	77	70	80	67	65	76	81	70	66	70	72.8
	Minimum	42	45	49	54	46	54	50	49	49	45	40	38	34	39	44	44	42	46	50	52	57	54	51	56	43	43	54	58	53	46	39	47.3
Flemington	Maximum	75	86	82	75	84	84	84	78	66	65	67	61	67	67	55	71	79	74	68	67	80	82	75	79	68	64	69	82	77	72	70	73.3
	Minimum	41	50	48	54	47	58	52	50	46	43	42	40	34	38	46	45	51	50	51	54	60	56	51	59	45	42	55	60	56	46	40	48.7
Jersey City	Maximum	70	82	79	65	69	80	79	79	66	63	64	61	64	64	55	70	78	75	63	63	75	76	68	80	79	64	70	78	76	68	66	70.6
	Minimum	49	57	60	55	54	59	51	56	52	51	48	41	42	49	47	48	57	57	52	54	61	55	54	58	48	46	55	61	56	50	45	52.5
Lambertville (near)	Maximum	78	80	74	76	81	80	78	72	65	61	63	60	62	60	52	69	75	68	70	68	70	75	71	77	63	62	65	70	77	70	74	69.9
	Minimum	46	50	49	48	54	54	52	49	48	45	43	37	37	40	44	44	49	52	50	49	49	51	50	48	43	42	46	50	50	45	38	46.8
Little Falls§§	Maximum	72	81	73	72	76	83	79	67	62	65	63	60	64	66	55	70	77	74	65	67	74	79	71	78	70	68	72	82	70	68	72	70.8
	Minimum	42	46	49	60	45	57	51	47	45	45	40	39	33	34	44	46	53	48	49	52	56	52	49	55	42	39	54	58	54	46	38	47.4
Newark	Maximum	71	82	71	66	69	81	80	67	61	62	63	59	63	64	57	69	77	72	63	68	74	74	68	80	66	65	69	78	66	65	65	68.9
	Minimum	47	52	59	54	50	54	51	53	50	48	44	40	37	44	45	45	52	52	52	55	60	56	53	58	48	47	56	57	53	48	44	50.5
New Brunswick	Maximum	69	80	79	66	73	82	77	77	67	60	61	60	62	61	53	68	75	73	58	67	72	72	70	78	72	60	68	76	73	58	61	68.6
	Minimum	44	49	54	54	46	56	51	51	47	48	42	39	35	44	46	45	53	52	50	52	62	56	51	59	45	45	54	58	55	48	42	49.5
Paterson	Maximum	72	82	75	72	76	84	81	67	62	64	65	62	65	65	54	70	78	75	66	67	76	78	73	78	70	....	71	82	70	69	71	71.3ª
	Minimum	46	54	55	55	50	59	53	53	50	49	45	42	38	39	46	47	53	53	50	49	55	60	54	58	46	....	55	61	56	48	43	50.7ª
Plainfield	Maximum	69	82	74	73	77	84	80	71	61	62	65	62	65	63	57	70	78	72	65	68	76	77	70	79	68	66	71	79	76	63	69	70.4
	Minimum	43	47	51	55	48	55	53	50	48	48	42	40	34	39	46	45	54	50	52	53	60	52	50	52	44	49	52	59	56	47	39	48.8
Ridgefield	Maximum	69	80	74	69	73	77	77	64	63	65	63	60	63	63	52	69	74	72	65	66	74	76	70	78	66	63	69	79	66	65	68	68.8
	Minimum	45	54	53	54	50	58	52	50	50	47	44	40	38	41	46	46	53	51	50	55	59	55	53	56	46	44	55	60	55	47	40	49.9
Somerville(near)	Maximum	71	81	74	70	77	83	79	70	60	62	63	60	63	61	55	68	76	70	64	64	74	74	70	77	64	61	69	80	69	63	69	69.1
	Minimum	43	51	51	53	47	56	50	49	46	46	41	38	35	42	41	44	50	49	50	52	58	55	47	57	41	43	50	60	50	42	37	47.5
New York, N. Y	Maximum	68	78	69	66	69	78	77	62	61	61	62	58	61	65	53	67	74	72	62	67	72	75	68	77	66	64	70	75	67	65	66	67.6
	Minimum	48	53	60	53	52	50	50	55	53	50	47	38	42	47	46	47	55	51	51	53	60	54	53	55	48	52	55	59	54	50	49	51.3
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	66	83	79	77	78	82	82	76	68	67	65	63	68	60	60	68	77	69	75	79	81	77	73	86	71	68	68	79	70	67	72	72.7
	Minimum	46	47	51	50	50	57	48	51	49	49	46	41	38	44	46	52	50	55	54	57	60	60	51	58	48	50	55	60	55	47	40	50.5
Burlington	Maximum	67	82	79	69	83	86	79	78	69	65	65	63	64	60	57	73	76	73	71	72	78	78	76	80	67	67	68	79	79	64	68	72.1
	Minimum	45	46	51	55	48	57	52	50	50	48	46	40	38	44	47	47	53	55	52	56	61	60	52	60	47	47	56	61	56	49	43	50.7
Freehold	Maximum	67	80	80	78	75	83	79	77	69	60	64	63	63	63	54	69	75	74	66	70	75	75	75	83	70	61	66	77	68	61	65	70.5
	Minimum	42	52	52	65	46	56	50	46	51	48	43	39	38	41	46	45	52	51	50	53	62	51	52	52	44	44	56	57	48	50	39	49.1
Hammonton	Maximum	68	81	80	79	82	87	82	77	66	68	67	64	64	64	57	70	76	73	72	79	81	76	74	83	68	60	67	77	59	63	57	71.6
	Minimum	44	49	51	50	48	55	49	50	49	48	47	40	36	40	47	49	51	53	53	56	63	59	51	59	45	47	55	56	54	48	38	49.7
Hightstown	Maximum	66	79	76	68	81	83	79	70	65	61	64	59	62	62	53	69	75	70	67	70	74	75	72	79	64	60	67	77	69	61	65	69.1
	Minimum	44	49	50	52	45	57	50	48	45	46	41	39	36	41	45	45	48	50	50	54	61	56	51	58	43	43	54	59	54	47	39	48.4
Indian Mills	Maximum	67	82	81	71	82	86	83	76	63	63	66	62	64	61	59	70	75	71	70	76	79	74	74	86	86	60	68	77	71	63	66	72.0
	Minimum	42	39	53	51	48	65	50	50	49	45	40	40	43	38	38	48	51	51	51	60	72	58	51	49	46	45	45	62	48	48	36	48.8
Lakewood	Maximum	70	84	78	65	74	86	83	76	67	67	67	62	65	62	57	72	77	72	68	75	78	74	70	85	75	60	64	76	69	60	63	71.0
	Minimum	43	50	49	52	46	56	52	49	47	47	40	41	36	43	47	45	52	51	52	55	62	57	54	58	47	44	56	60	53	50	39	49.5
Moorestown	Maximum	67	80	79	70	79	83	80	72	61	62	65	59	62	60	54	70	74	68	70	72	77	75	74	79	67	60	65	78	64	62	67	69.5
	Minimum	44	49	57	48	48	55	51	50	49	48	43	40	40	44	47	50	55	53	52	56	62	58	57	57	46	46	53	57	49	46	43	50.1
N. Merchantville	Maximum	68	83	81	76	83	84	84	78	62	61	68	61	66	61	57	74	78	74	78	77	81	80	76	81	73	66	68	83	74	66	74	73.4
	Minimum	48	50	56	54	51	60	52	52	51	51	48	41	41	46	47	50	54	57	52	56	62	60	54	61	48	48	55	61	56	48	44	52.1
Pemberton	Maximum	68	82	80	69	82	82	82	74	71	64	64	64	58	61	56	72	76	75	71	72	78	78	75	82	75	65	65	89	77	61	65	72.0
	Minimum	43	46	53	52	47	56	51	49	49	47	42	40	36	41	46	46	50	53	52	55	61	58	51	59	47	47	56	60	54	48	40	49.5
Pleasantville§§	Maximum	68	83	69	65	70	88	82	68	64	68	62	62	61	58	61	71	77	69	65	71	80	69	70	78	62	61	68	69	58	60	58	68.2
	Minimum	40	48	49	53	46	56	44	55	49	46	39	41	34	36	48	49	46	50	53	56	68	60	53	57	49	51	56	58	55	52	39	49.5
Runyon	Maximum	65	80	83	76	75	78	80	78	70	64	65	64	64	63	61	74	77	70	71	72	74	77	75	76	77	64	67	75	70	58	68	71.3
	Minimum	45	48	46	40	41	41	41	42	40	48	32	38	27	37	47	44	45	40	41	41	44	42	42	44	46	41	41	49	48	48	35	41.8
Trenton	Maximum	66	81	77	67	81	84	80	73	62	61	64	58	63	60	55	71	75	70	68	70	75	76	73	79	64	60	67	78	64	61	66	69.3
	Minimum	45	52	58	53	51	54	51	55	52	48	48	39	41	46	46	47	54	53	51	54	63	58	52	56	47	48	55	57	51	48	44	50.9
Trenton No. 2	Maximum	69	82	78	70	83	85	81	75	64	62	66	60	66	61	56	72	77	72	69	71	77	80	75	80	67	65	69	81	67	65	70	71.5
	Minimum	44	49	53	54	49	59	51	51	49	49	45	40	39	44	46	46	52	54	51	55	59	58	52	59	44	44	55	59	51	46	40	49.9
Tuckerton	Maximum	70	83	76	65	70	83	84	75	72	69	68	62	63	62	60	62	77	72	64	67	81	71	68	73	62	61	68	69	72	68	68	69.8
	Minimum	42	49	55	45	58	55	55	50	55	46	42	40	38	40	47	45	50	53	50	55	59	59	53	48	46	49	55	58	50	49	43	49.6
Philadelphia, Pa	Maximum	66	81	79	73	78	82	81	71	62	63	65	60	61	58	55	71	75	66	69	71	78	77	73	77	66	59	66	79	63	62	67	69.5
	Minimum	49	55	62	56	55	59	53	56	53	52	52	42	47	47	47	51	56	56	53	56	65	60	53	58	50	52	56	57	53	51	47	53.5
The Sea Coast.																																	
Atlantic City	Maximum	66	81	64	61	64	87	81	64	61	66	63	61	58	58	60	71	77	67	62	66	80	68	62	70	62	58	62	64	56	61	56	65.7
	Minimum	47	53	57	54	55	56	55	56	55	52	51	42	46	50	49	50	55	56	55	56	60	54	52	60	50	54	57	54	54	50	49	53.0
Long Branch	Maximum	68	81	64	60	65	81	80	69	61	62	65	60	63	59	54	70	76	68	60	67	75	69	64	85	62	57	62	70	59	58	58	66.2
	Minimum	44	53	56	51	48	51	51	51	48	47	43	41	38	45	47	46	54	52	51	54	60	54	54	57	48	48	55	55	52	50	43	49.9
Sandy Hook	Maximum	64	75	64	60	64	77	74	65	59	61	62	59	62	60	54	66	71	68	56	67	72	70	62	79	62	58	63	71	59	59	58	64.5
	Minimum	50	55	57	52	51	52	51	54	53	51	49	43	45	49	47	49	56	51	51	53	59	53	52	58	50	53	56	55	54	52	48	51.9

ª, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

1,85
N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

E. S. NICHOLS.
TRENTON, N. J.

VOL. XLIII. JUNE, 1938. No. 6.

NOTE.—The price of this publication is 25 cents per year (not in stamps). payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average rainfall of 7.79 inches for the month was over four inches above the normal figure, and was the heaviest amount experienced in June since the beginning of the records in 1885. The former record was 7.68 inches in 1903. The rainfall was well distributed throughout the month, the heaviest rains occurring during the periods of the 12th to 14th and 26th to 28th. During this latter period some stations reported as much as six or seven inches of rainfall. The percentages of normal for the various subdivisions were as follows: The Highlands, 208%; Red Sandstone Plain, 190%; Southern Interior, 199%; Sea Coast, 168%.

The month was slightly below normal as regards temperature. The maxima were almost all in the nineties, although at a few stations these were under the ninety-degree mark. The minima were mostly in the thirties or forties and were recorded on the 1st. Three stations had minima below the freezing point, and the 29 degrees noted at Runyon on the 1st was the lowest temperature ever recorded in the State during the month of June.

Killing frosts did considerable damage in the cranberry bogs on the 1st. There was also some damage due to lightning or wind in some sections of the State.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 67.2°, which was 1.6° below normal. The highest temperature was 96° at Bridgeton on the 12th, and the lowest, 29°, at Runyon on the 1st. The greatest daily range of temperature was 45° at Charlotteburg on the 1st. The highest monthly mean temperature was 72.0° at Bridgeton and North Merchantville, and the lowest, 65.6° at Newton.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +2.0°; Red Sandstone Plain, +2.1°; Southern Interior, +2.2°; Sea Coast, +2.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 7.79 inches, which was 4.08 inches above normal. The greatest monthly precipitation was 11.26 inches, at Culvers Lake, and the least, 3.81 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 6.78 inches at Indian Mills on the 27th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands. +2.41 inches; Red Sandstone Plain. +0.44 inch; Southern Interior, +0.61 inch; Sea Coast. —2.54 inches.

ERRATA.

MARCH, 1938. Phillipsburg: mean temperature, 42.5°; departure, +3.9. Tuckerton: greatest precipitation in 24 hours should be 0.32 on the 5th. Highlands and Kittatinny Valley Section: temperature departure, +4.3.

APRIL, 1938. Long Valley: days with .01 or more, 9. Moorestown: prevailing wind direction, sw. Newton: minimum temperature, 20 on the 8th. Front page: section on temperature, second paragraph should read "The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +3.3.

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 5.

DENSE FOG: 5, 11, 22, 23, 24.

THUNDERSTORMS: 5, 6, 7, 8, 11, 12, 13, 14, 18, 23, 24, 26, 27.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.01	30.37	10	29.82	7	13.4	37	s.	7	86	76	85	58
Long Branch	29.99	30.37	10	29.76	7	9.4	34	nw.	12	83	62	73	66
Ridgefield	29.99	30.37	10	29.75	7	......	....	......	....	....	....	....	....
Sandy Hook	29.99	30.37	10	29.73	7	11.6	34	nw.	5	84	68	82	59
Trenton	29.99	30.36	10	29.73	7	8.2	27	nw.	26	81	55	67	62

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	**1.57**	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	**64.0**	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	**106**	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	**73.6**	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
1938	67.2	96	**29**	**7.79**	0	13	11	9	10
Period	68.8	106	29	3.71	0	10	13	10	7

Climatological Data for June, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	69.6^{e}	+0.7	94	7	40	1	....	9.63	+5.63	5.07	0	15	18	4	8	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	65.8	+0.8	89	19	30	1	45	7.55	+3.09	2.00	0	16	13	8	9	s.	Newark Water Dept
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	11.26	+6.82	2.60	0	13	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	66.0^{a}	−0.8	87	7†	36	1	37	8.32	+3.89	1.92	0	14	2	18	10	......	William C. Harris
Layton....(near)	Sussex	480	37	66.4	+0.7	90	21†	34	1	41	8.82	+4.29	3.78	0	11	7	10	13	sw.	A. M. Depue.
Long Valley	Morris	660	7	66.5	......	90	25	34	1	41	10.23	....	2.80	0	12	16	11	3	ne.	James E. Rice.
Newton	Sussex	769	55	65.6	−2.4	88	7†	38	1	36	10.29	+5.81	2.44	0	13	6	13	11	se.	Irving J. Kern.
Phillipsburg	Warren	182	§55	69.3	0.0	91	7†	39	1†	40	9.27	+5.54	2.02	0	14	17	5	8	......	Town Engineer.
Sussex	Sussex	442	43	68.0	+1.2	91	21†	38	1	39	6.90	+2.82	1.76	0	12	11	7	12	......	A. J. W. Mowatt
Means and extremes	......	......	....	67.2	0.0	94	7	30	1	45	9.14	+4.74	5.07	0	13	11	10	9	s.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	67.0	−0.3	89	24	34	1	40	7.66	+3.70	1.57	......	16	14	3	13	ne.	John Kline.
Canoe Brook	Essex	180	8	66.8	......	93	20	31	1	44	7.26	....	2.59	......	14	15	11	4	sw.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	..	......	....	7.88	+3.92	1.87	......	14	15	9	6	......	Paul Molitor, Sr.
Elizabeth	Union	34	59	69.8^{a}	−0.6	95	7	35	1	41	6.03	+2 43	1.67	0	15	14	2	14	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§52	70.6	+1.1	95	24	36	1	44	5.96	+2.35	1.57	0	14	19	5	6	w.	Hiram E. Deats
Jersey City	Hudson	81	40	70.7	−0.2	93	7	46	1	30	7.84	+4.06	1.79	0	13	9	9	12	s.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	68.0	−1.5	89	24	38	1	36	7.49	+3.73	2.38	0	14	12	10	8	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	68.8	+0.1	92	24	36	1	41	8.20	+4.18	2.00	0	14	13	13	4	ne.	Passaic Valley Water Co
Newark	Essex	10	3	69.4	−0.2	92	7	41	1	33	5.49	+0.97	1.40	0	13	3	8	19	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	68.2	−1.0	89	7	38	1	37	6.03	+2.35	1.91	0	14	13	12	5	s.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	....	...	8.71	+5.16	1.53	......	11	....	....	....	....	Hackensack Water Co
Paterson	Passaic	95	68	70.2	+0.2	92	8†	42	2	35	8.62	+4.92	1.65	0	12	15	6	9	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	69.4	+0.8	93	7	37	1	40	6.33	+2.46	1.85	0	12	6	9	15	sw.	S. K. Pearson.
Ridgefield	Bergen	80	21	69.0	+1.4	90	7†	42	1	32	7.76	+3.62	2.53	0	12	10	11	9	s.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	68.0	−1.2	90	7	39	1	36	7.72	+4.21	1.78	0	14	5	8	17	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	... ..	......	....	7.81	+4.45	2.13	......	12	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	69.0	+0.2	87	7	47	1	25	7.59	+4.26	2.04	0	14	4	11	15	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	6.89	−0.1	95	7†	31	1	44	7.30	+3.50	2.59	0	13	12	8	10	sw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	......	......	......	......	......	......	....	3.81	+0.37	......	0	....	....	....	....	......	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	72.0	−0.1	96	12	39	1	35	5.44	+1.52	2.63	0	11	17	7	6	se.	Bennett K. Matlack
Burlington	Burlington	12	§52	71.2	−0.5	93	7	37	1	41	9.08	+5.39	5.25	0	11	14	7	9	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	7.54	....	2.24	0	10	7	7	16	sw.	Central Airport, Inc.
Freehold	Monmouth	194	¶34	69.0	......	92	7	35	1	34	10.03	+6.42	4.30	0	13	18	7	5	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	70.4	......	94	12	34	1	41	8.65	+4.89	2.96	0	11	11	12	7	sw.	J. G. Wilson.
Hightstown	Mercer	110	45	68.4	−0.7	91	7	35	1	42	10.43	+6.67	5.30	0	13	8	16	6	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	70.0^{i}	+0.1	......	......	......	......	....	10.86	+6.93	6.78	......	....	....	....	....	......	Edward Entwistle.
Lakewood	Ocean	54	34	69.8	+1.6	93	12	34	1	38	8.65	+4.64	2.65	0	13	8	11	11	sw.	R. W. Holman.
Moorestown	Burlington	62	75	69.2	−1.0	91	7†	36	1	39	9.19	+5.41	3.16	0	13	6	11	13	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	4.16	+0.87	1.26	0	11	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	72.0	......	95	7†	41	1	37	8.93	....	4.43	0	9	6	12	12	sw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	69.8	......	92	12	36	1	38	9.92	....	3.54	0	14	14	11	5	ne.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	67.6	−0.7	93	12	33	1	31	4.65	+1.15	1.33	......	14	13	8	9	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	67.0	−1.6	90	7†	29	1	43	7.15	+3.62	2.45	......	11	16	12	2	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	69.9	+0.4	91	24	43	1	33	8.99	+5.90	4.79	0	14	3	10	17	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	70.2	......	92	7†	40	1	38	9.10	....	2.79	0	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	67.5	−1.3	90	12	47	1	25	4.62	+0.89	1.66	0	12	17	8	5	nw.	John H. Brown.
Philadelphia, Pa	......	26	67	71.3	−0.1	91	12	47	1	26	10.06	+6.82	4.59	0	10	6	11	13	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	69.6	−0.4	96	12	29	1	43	7.84	+3.90	6.78	0	12	11	10	9	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	67.1	+0.5	85	19	46	1	22	4.61	+1.57	1.65	0	11	5	7	18	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	67.4	+0.3	90	12	37	1	30	6.39	+2.53	3.75	0	14	6	10	14	se.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	68.3	+0.5	88	25	48	1	23	7.00	+3.22	2.86	0	13	6	7	17	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	67.6	+0.4	90	12	37	1	30	6.00	+2.44	3.75	0	13	6	8	16	s.	
For the State	......	......	....	67.2	−1.6	96	12	29	1	45	7.79	+4.08	6.78	0	13	11	9	10	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-4-38-900

Daily Precipitation for June, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	....	....	.20	.04	.05	....	.63	.37	....	....	.63	.69	.08	.52	....	....	....	.35	....	....	....	.25	.40	....	....	.35	*	5.07	....	....	....	9.63
Charlotteburg	Passaic	....	....	.27	.04	.02	.17	....	.54	....	....	.57	.02	.69	....	.20	....	....	.30	....	....	....	....	.60	.03	....	.40	2.00	1.63	.07	....	....	7.55
Culvers Lake	Delaware	....	....	.35	....	....	2.00	....	.52	....	....	.25	.06	.53	1.20	.23	....	....	.83	....	....	....	....	.26	....	....	1.38	1.05	2.60	....	....	....	11.26
Dover	Passaic	....	....	.38	.02	.10	....	.57	.52	....	....	.45	.33	.15	.05	....	....	....	.51	....	....	....	....	1.75	....	....	1.92	1.24	.33	....	....	....	8.32
Layton (near)	Delaware	....	....	.53	....	....	....	.07	.27	....	....	.18	1.28	.17	1.11	....	....	....	....	....	....	....	....	.47	....	....	.67	3.78	.29	T.	....	....	8.82
Long Valley	Raritan	....	....	.35	.04	....	....	....	2.80	....	....	.50	....	.48	1.09	.07	....	....	.65	....	....	....	....	.61	....	....	1.63	.90	1.11	....	....	....	10.23
Newton	Delaware	....	....	.29	....	.05	....	....	.66	....	....	.38	1.25	.10	.60	T.	....	....	.15	....	....	....	....	1.75	....	....	1.56	2.44	1.05	.01	....	....	10.29
Phillipsburg	...do	....	T.	.12	T.	.20	....	.72	.40	....	....	.22	.72	.53	.22	....	....	....	1.37	....	....	....	.24	.53	....	....	1.72	2.02	.26	....	....	....	9.27
Sussex	Hudson	....	....	.33	....	....	....	....	.65	....	....	.34	.02	.61	.26	....	....	....	.17	....	....	....	.14	.01	....	....	.99	1.62	1.76	....	....	....	6.90
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	....	....	.44	.02	T.	.07	....	1.20	....	....	.12	.37	.48	.40	.03	....	....	.52	....	....	....	....	....	.20	.87	.02	1.57	1.13	.22	....	....	7.66
Canoe Brook ‖	...do	....	....	.11	.02	.09	.10	....	1.95	....	....	.13	.37	.74	.23	....	....	....	.68	....	....	....	....	....	.10	....	....	1.14	1.45	.15	....	....	7.26
Chatham ‖	...do	....	....	.14	.02	.08	.11	....	1.87	....	....	.12	.49	.67	.17	T.	....	....	.55	....	....	....	....	....	.12	....	T.	1.36	1.81	.37	....	....	7.88
Elizabeth	Coast	....	....	.20	.05	.06	.06	....	1.67	....	....	.05	.03	.77	.05	....	....	....	.44	....	....	....	....	.07	....	....	.31	1.12	1.14	.01	....	....	6.03
Flemington	Raritan	....	....	.04	.08	.11	....	....	1.19	....	....	.29	.55	.27	.38	....	....	....	.41	....	....	....	T.	.02	....	....	.41	1.57	.63	.01	....	....	5.96
Jersey City	Coast	....	....	.11	.09	.19	....	....	1.79	....	....	.10	.05	.36	.48	T.	....	....	.69	....	....	....	....	T.	.73	....	....	1.27	1.70	.28	....	....	7.84
Lambertville (nr.)	Delaware	....	....	.04	.15	.74	....	....	2.38	....	....	.03	.95	.24	.10	....	....	....	.05	....	....	....	.06	T.	....	....	.08	1.86	.78	.03	....	....	7.49
Little Falls ‖	Passaic	....	....	.24	.01	.01	.09	....	1.64	....	....	.09	1.45	.52	.17	....	....	....	.31	....	....	....	....	....	.03	....	T.	2.00	1.50	.14	....	....	8.20
Newark***	Coast	....	....	.23	.05	.09	....	1.02	.22	....	....	.11	.41	.26	.05	T.	T.	T.	.62	....	....	....	T.	T.	T	....	.72	1.02	.69	....	....	....	5.49
New Brunswick	Raritan	....	....	.06	.06	.25	....	....	1.91	....	....	.01	.21	.40	....	....	....	....	.62	....	....	....	.10	.07	....	....	.05	1.76	.51	.02	....	....	6.03
New Milford**	Hackensack	....	....	.24	....	.34	....	1.40	.64	....	....	1.53	.39	.71	....	....	....	....	.40	....	....	....	....	....	....	....	1.00	.85	1.21	....	....	....	8.71
Paterson	Passaic	....	....	....	.40	.06	T.	.49	....	1.41	....	....	1.10	....	.43	.22	....	....	.47	....	....	....	....	....	....	....	1.50	.87	1.65	.02	....	....	8.62
Plainfield	Raritan	....	....	.16	.02	.07	....	....	1.85	....	....	.11	.44	.28	T.	....	....	....	.42	....	....	....	....	.15	....	....	.23	1.30	1.30	....	....	....	6.33
Ridgefield**	Hackensack	....	....	.49	.05	.52	....	....	1.15	....	....	.40	.31	.62	T.	T.	....	....	.29	....	....	....	....	T.	.08	....	.80	.62	2.53	....	....	....	7.76
Somerville (near)	Raritan	....	....	.10	.02	.03	....	....	1.78	....	....	.36	.60	.37	.07	....	....	....	.26	....	....	....	....	1.61	....	....	.60	1.11	.79	.02	....	....	7.72
Woodcliff Lake**	Hackensack	....	....	.74	....	.07	....	.35	.51	....	....	.77	.34	.65	....	....	....	....	.45	....	....	....	....	....	.13	....	.98	2.13	.69	....	....	....	7.81
New York, N. Y***	Coast	....	T.	.07	.21	.08	....	.62	.55	....	....	.26	.47	1.69	.01	T.	....	....	.46	....	....	....	T.	T.	.03	....	1.06	1.07	1.01	....	....	....	7.59
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Delaware	....	....	.15	.03	T.	.13	....	....	....	....	....	.34	.25	....	....	....	....	.13	T.	....	....	.14	.04	....	....	....	2.63	1.55	.05	....	....	5.44
Burlington	Delaware	....	....	.03	.05	....	....	....	.95	....	....	.02	.20	.67	.09	T.	....	....	.02	....	....	....	1.04	T.	....	....	....	5.25	.76	....	....	....	9.08
Camden**	...do	....	....	T.	.03	T.	....	.65	.01	....	....	1.83	.60	T.	T.	....	....	T.	T.	....	....	....	.27	.46	....	....	1.26	2.24	.19	....	....	....	7.54
Freehold	Raritan	....	....	.01	.04	.07	....	....	.29	....	....	.19	.17	1.10	.63	T.	....	....	.15	....	....	....	T.	1.63	....	....	....	4.30	1.42	.03	....	....	10.03
Hammonton	Mullica	....	....	T.	.28	.04	....	....	....	....	....	T.	.25	1.13	.80	.10	....	....	....	....	....	....	.08	1.57	....	....	....	2.96	1.42	.02	....	....	8.65
Hightstown	Raritan	....	....	.03	.05	.02	....	....	1.07	....	....	.24	1.32	1.20	....	T.	....	....	.43	....	....	....	.03	.47	....	....	T.	5.30	.25	.02	....	....	10.43
Indian Mills	Mullica	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Lakewood	Metedeconk	....	....	T.	.28	.35	....	....	.15	....	....	.35	.16	.67	1 00	.02	....	....	....	....	....	....	.05	.70	....	....	....	2.65	2.12	.15	....	....	8.65
Moorestown ‖	Delaware	....	....	.03	.03	....	.01	....	.63	....	....	.01	.77	.63	.19	....	....	....	....	....	....	....	....	.48	.02	....	....	3.12	3.16	.11	....	....	9.19
Northfield	Coast	....	....	.19	1.26	.04	....	....	....	....	....	....	.31	.38	.45	T.	....	....	.05	....	....	....	.05	....	....	....	....	.20	1.11	.12	....	....	4.16
N. Merchantville	Delaware	....	....	.01	.05	T.	....	....	.80	....	....	T.	2.65	.15	T.	....	....	....	T.	....	....	....	.26	.26	....	....	....	4.43	.32	T.	....	....	8.93
Pemberton	Delaware	....	....	.02	.06	.28	....	....	.70	....	....	.27	.07	1.10	.49	.05	....	....	....	....	....	....	.81	1.22	....	....	....	3.54	1.27	.04	....	....	9.92
Pleasantville ‖	Coast	....	....	.10	29	1.33	.09	....	....	....	....	....	....	.49	.10	.46	.01	....	.04	....	....	....	.04	.02	....	....	....	.02	1 27	.39	....	....	4.65
Runyon	Coast	....	....	.05	.13	.11	....	....	1.11	....	....	.20	.19	.74	....	....	....	....	.86	....	....	....	....	.43	....	....	....	2.45	.88	....	....	....	7.15
Trenton***	Delaware	....	T.	.01	.03	.04	....	1.43	.27	....	....	.40	1.06	.14	.11	....	T.	....	T.	....	....	....	.20	.09	....	....	2.19	2.75	.27	....	....	....	8.99
Trenton No. 2**	...do	....	....	.01	.02	.14	....	1.18	.19	....	....	.43	1.26	.39	.09	....	....	....	....	....	....	....	.19	.04	....	....	1.86	2.79	.51	....	....	....	9.10
Tuckerton	Coast	....	06	.12	1.61	.01	....	....	....	....	....	....	....	.08	.43	.17	....	....	.02	....	....	....	.09	....	....	....	....	.15	1.66	.22	....	....	4.62
Phila., Pa***	Delaware	....	T.	T.	.04	T.	....	1.28	.05	....	....	1.65	1.92	....	....	....	....	....	T.	....	....	....	.13	.17	....	....	1.35	3.27	.20	....	....	....	10.06
The Sea Coast.																																	
Atlantic City***	Coast	....	....	.27	1.64	.11	....	....	....	....	....	T.	.87	.26	.03	T.	T.	T	.04	....	....	....	.02	...	....	....	.20	.46	.71	....	....	...	4.61
Long Branch**	...do	....	....	.01	.17	.05	....	....	.18	....	....	.19	.92	.23	.06	.05	T.	....	.06	....	....	....	.04	T	....	....	.28	3.75	.40	....	....	....	6.39
Sandy Hook***	...do	....	....	.03	.17	T.	....	.39	.19	....	....	.22	1.03	.62	.01	.01	....	....	1.16	....	....	....	T.	....	....	....	.52	2.38	.27	....	....	...	7.00

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡ Separate dates of falls not recorded.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.224	.174	.164	.058	.116	.168	.222	.192	.216	.170	.058	.212	.102	.096	.160	.144	.144	.112	.224	.128	.176	.080	.116	.160	.240	.076	*	*	.088	.176	....	4.196
	Wind movement	16	28	6	11	11	24	22	14	14	19	12	19	5	7	14	16	13	6	10	6	4	7	6	5	31	16	19	6	6	7	....	380
Pleasantville**	Evaporation	.160	.132	034	.002	.218	.304	.320	.160	.240	.160	224	394	.196	.140	.106	.160	.152	.096	.208	.160	.184	.180	.192	304	.320	.180	.070	.070	.224	.288	....	5.578
	Wind movement	60	108	28	47	44	96	127	35	28	81	31	142	50	36	62	48	54	35	35	28	52	56	37	60	143	100	80	96	71	60	....	1930
Runyon	Evaporation	.240	.240	.200	.130	.110	.120	.248	.030	.240	.240	.260	.250	.260	.180	.120	.180	.180	.080	.180	.180	.180	.180	.070	.210	210	.180	.410	.130	.180	.180	....	5.598
	Wind movement	28	36	34	20	25	24	49	42	49	29	26	27	33	8	25	21	33	17	12	12	11	12	21	41	35	51	61	60	33	18	....	893

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for June, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	82	82	75	74	73	78	94	85	87	81	86	86	74	84	75	78	79	85	81	85	90	86	79	90	90	....	....	....	....	....	....	82.4[e]
	Minimum	40	47	59	55	57	45	56	56	49	50	63	55	65	56	52	54	50	52	54	54	60	52	67	64	65	....	....	....	....	....	....	55.7[e]
Charlotteburg	Maximum	75	77	76	74	74	75	87	86	78	80	83	88	85	78	76	74	75	87	89	84	85	79	83	88	87	87	74	60	77	86	....	80.4
	Minimum	30	33	52	48	53	41	52	53	42	43	54	64	55	54	44	51	50	56	58	60	55	62	66	56	59	58	56	54	47	44	....	51.1
Dover	Maximum	73	76	75	55	....	77	87	75	78	72	79	87	72	77	73	71	73	80	78	80	83	77	80	85	85	79	50	60	75	76	....	75.2[a]
	Minimum	35	42	60	54	55	48	58	56	50	48	59	58	57	57	50	50	57	52	53	55	60	50	57	61	57	60	57	55	51	50	....	55.9
Layton(near)	Maximum	75	78	77	72	75	80	88	79	80	78	87	89	73	80	79	75	75	79	72	85	90	83	86	90	88	80	59	50	79	78	....	79.0
	Minimum	34	37	57	47	63	43	52	55	44	43	58	55	55	55	50	53	57	61	60	50	55	58	58	54	53	59	55	55	51	44	....	53.8
Long Valley	Maximum	75	80	76	72	75	80	85	76	77	78	88	87	74	75	74	78	74	87	83	85	88	82	82	88	90	82	64	52	70	83	....	79.1
	Minimum	34	43	60	54	55	47	57	50	50	49	50	55	55	55	50	51	55	50	53	55	58	58	55	59	63	50	65	55	50	53	....	53.9
Newton	Maximum	74	72	71	71	74	76	88	75	79	75	83	85	78	75	70	78	75	81	78	83	85	80	83	88	87	78	58	60	77	76	....	77.1
	Minimum	38	43	57	53	55	49	50	53	52	49	59	56	55	54	50	52	55	50	51	52	60	52	53	61	54	57	53	53	49	49	....	54.2
Phillipsburg	Maximum	79	79	79	72	77	82	91	83	82	76	88	91	81	77	79	79	77	85	84	84	87	77	80	91	90	85	52	63	83	81	....	80.8
	Minimum	39	47	61	58	56	45	57	59	50	62	65	56	58	58	54	56	50	64	65	58	52	64	67	64	55	51	58	58	53	53	....	57.8
Sussex	Maximum	77	79	79	75	75	79	90	83	79	81	85	87	82	78	80	79	79	84	79	87	91	87	87	91	90	88	65	61	77	79	....	81.1
	Minimum	38	42	58	51	54	44	55	54	48	48	58	55	58	56	49	55	57	61	63	53	59	58	57	54	55	57	55	65	48	46	....	54.8
The Red Sandstone Plain.																																	
Boonton§§	Maximum	74	77	80	70	77	77	87	76	77	77	83	87	77	80	78	73	74	82	79	85	85	80	83	89	87	81	61	52	78	79	....	78.5
	Minimum	34	40	55	55	57	49	54	57	50	49	54	53	50	58	51	63	55	59	61	55	58	59	63	60	64	72	59	57	50	50	....	55.4
Canoe Brook§§	Maximum	75	78	79	71	77	80	90	83	80	75	86	89	76	70	75	73	77	83	93	90	85	80	83	90	89	85	61	70	80	78	....	80.1
	Minimum	31	39	59	55	56	39	52	55	44	44	58	51	58	55	49	47	55	59	58	52	56	55	57	59	63	72	58	55	47	44	....	53.4
Elizabeth	Maximum	76	81	83	71	83	87	95	94	87	81	87	....	80	82	78	74	75	84	86	86	88	84	84	92	91	86	64	61	81	80	....	82.1[a]
	Minimum	35	46	61	60	58	48	55	58	52	52	52	57	50	58	55	52	55	52	54	58	61	52	58	54	56	53	59	55	56	52	....	57.5
Flemington	Maximum	80	81	80	78	80	85	93	86	81	78	90	94	79	81	81	78	79	88	89	85	88	84	88	95	92	91	65	63	79	84	....	83.2
	Minimum	35	48	62	60	57	47	55	59	52	52	53	66	59	58	54	54	59	54	55	59	51	54	70	62	56	55	59	57	53	55	....	58.1
Jersey City	Maximum	58	74	78	73	78	81	93	90	81	79	82	90	90	80	75	74	73	83	83	83	83	79	82	86	90	84	63	55	79	78	....	79.9
	Minimum	46	52	53	64	61	56	63	51	50	50	65	71	53	60	57	58	57	54	59	62	67	67	67	71	72	61	57	65	55	50	....	51.5
Lambertville (near)	Maximum	74	78	71	72	78	78	87	81	76	77	86	88	76	73	74	77	78	79	80	81	84	78	82	89	88	88	66	61	76	78	....	78.4
	Minimum	38	49	60	50	50	50	64	51	60	52	50	56	55	55	52	56	55	58	58	50	50	63	66	53	68	50	58	55	52	60	....	57.5
Little Falls§§	Maximum	77	79	79	72	78	81	91	80	81	77	87	90	75	78	77	75	79	85	82	87	86	83	86	92	91	84	61	65	81	80	....	80.7
	Minimum	35	44	52	57	59	46	57	58	50	50	50	55	50	57	52	52	55	50	62	56	60	59	67	63	66	73	58	56	59	50	....	57.0
Newark	Maximum	72	76	75	59	78	82	92	79	80	75	87	90	74	79	73	72	73	83	83	83	85	81	83	90	91	85	63	61	78	78	....	79.0
	Minimum	41	50	53	63	55	52	59	60	57	68	54	69	63	51	58	55	57	53	55	61	63	64	68	66	59	62	58	57	56	68	....	59.9
New Brunswick	Maximum	75	79	77	70	75	80	89	88	75	75	85	85	82	74	70	69	76	83	80	79	80	80	80	87	87	87	65	61	76	76	....	78.2
	Minimum	38	49	52	61	56	49	59	59	53	55	62	57	60	57	56	52	55	63	55	59	50	53	58	54	67	64	59	57	54	53	....	58.2
Paterson	Maximum	71	77	79	80	72	78	81	92	87	81	79	85	91	84	73	79	80	83	85	85	86	85	84	92	92	86	63	63	81	81	....	81.2
	Minimum	43	42	67	63	60	55	51	61	60	55	55	64	62	53	56	58	58	52	53	50	64	63	53	55	71	62	50	57	53	55	....	59.1
Plainfield	Maximum	77	83	77	74	78	82	93	80	80	75	85	90	78	82	77	74	77	82	84	83	85	82	86	91	91	87	63	62	82	81	....	80.7
	Minimum	37	49	64	51	59	48	57	59	53	55	52	68	50	60	53	51	56	62	64	58	50	53	67	65	56	53	59	55	51	55	....	58.1
Ridgefield	Maximum	74	76	75	70	75	80	90	77	80	75	85	90	75	77	75	75	75	82	81	83	85	81	82	88	90	84	51	61	79	78	....	78.8
	Minimum	42	51	60	61	53	50	52	59	54	54	65	69	61	59	55	55	58	53	67	59	63	63	68	65	71	62	58	57	56	55	....	59.3
Somerville(near)	Maximum	75	79	78	70	76	80	90	80	77	75	85	89	74	78	70	74	71	82	81	81	85	80	83	89	88	83	61	51	78	79	....	78.4
	Minimum	39	48	62	60	56	49	59	56	55	54	64	64	58	55	53	61	56	62	64	56	52	61	56	53	67	51	55	55	49	51	....	57.5
New York, N. Y	Maximum	72	71	75	65	74	77	87	77	76	74	84	85	74	75	74	70	72	81	81	81	84	80	82	85	87	81	54	63	76	77	....	76.9
	Minimum	47	51	52	62	58	55	64	59	51	53	53	57	60	59	50	57	57	54	57	54	58	65	67	67	71	51	58	57	56	62	....	51.1
The Southern Interior.																																	
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Bridgeton	Maximum	70	78	73	72	80	85	94	87	84	84	92	96	83	82	79	78	80	88	85	85	90	86	90	93	94	94	85	58	81	82	....	83.9
	Minimum	39	47	53	64	57	50	63	54	55	55	62	57	58	57	52	53	56	65	69	65	53	66	68	62	58	74	57	58	54	57	....	60.0
Burlington	Maximum	78	81	79	75	87	83	93	92	82	81	90	92	92	80	75	76	80	87	84	85	87	79	85	91	90	90	70	63	79	80	....	82.9
	Minimum	37	49	64	52	57	47	58	62	59	56	63	67	60	59	55	54	57	64	66	62	50	66	68	65	68	69	62	68	56	56	....	69.5
Freehold	Maximum	69	79	77	74	76	80	92	88	79	78	87	90	85	77	73	71	76	84	83	82	84	78	82	88	88	87	71	61	78	78	....	79.8
	Minimum	35	46	62	61	58	49	60	60	53	53	62	65	59	55	58	55	56	62	66	59	60	64	65	63	67	71	61	52	52	53	....	58.1
Hammonton	Maximum	75	81	78	68	78	83	92	82	83	83	90	94	77	80	77	66	80	87	86	84	84	84	86	90	89	88	83	66	79	80	....	81.7
	Minimum	34	49	63	60	56	49	61	66	55	50	63	68	58	62	62	51	56	63	69	52	68	66	65	62	67	73	63	67	53	53	....	59.2
Hightstown	Maximum	77	80	78	69	74	80	91	82	77	77	86	90	77	79	71	73	78	83	81	82	83	77	85	90	89	89	65	61	79	80	....	79.4
	Minimum	35	48	62	61	56	47	60	58	52	51	62	66	58	56	53	51	56	62	64	58	69	62	67	64	67	64	60	56	52	52	....	57.3
Indian Mills	Maximum	75	80	....	....	....	....	....	....	....	....	89	93	75	80	75	77	80	86	85	86	88	81	87	93	91	90	70	64	79	81	....	82.0[h]
	Minimum	35	48	....	....	....	....	....	....	....	....	....	66	58	54	49	53	56	63	66	59	57	65	66	62	68	70	62	57	54	49	....	68.0[i]
Lakewood	Maximum	72	79	77	70	77	83	92	83	83	78	88	93	83	79	71	71	76	84	83	81	83	78	84	89	91	88	79	63	78	79	....	80.5
	Minimum	34	45	63	62	59	49	61	65	53	50	64	67	61	57	54	56	57	64	66	60	59	65	66	65	68	73	62	58	52	64	....	59.0
Moorestown	Maximum	75	78	77	72	77	81	91	77	80	81	88	91	75	79	73	72	74	77	75	83	87	77	84	89	88	88	65	62	78	79	....	79.1
	Minimum	36	49	63	62	57	50	62	62	58	55	63	67	57	58	54	53	56	63	67	65	61	66	69	65	69	56	60	57	55	64	....	59.3
N. Merchantville	Maximum	78	80	79	75	82	85	95	85	83	83	91	95	77	81	77	80	80	88	86	84	90	82	87	92	92	92	74	63	82	82	....	83.3
	Minimum	41	49	65	62	59	52	62	62	60	57	64	67	59	59	56	55	57	65	69	63	63	65	69	66	70	74	62	57	56	58	....	60.8
Pemberton	Maximum	74	77	77	73	73	80	90	90	79	79	86	92	83	78	77	74	75	83	84	83	83	83	85	91	89	88	83	64	78	81	....	81.1
	Minimum	36	48	62	60	55	47	60	62	53	53	61	62	58	58	54	55	67	64	66	60	60	66	67	64	68	74	61	57	55	53	....	58.5
Pleasantville§§	Maximum	64	70	70	67	79	76	80	82	78	76	80	93	72	76	76	76	70	81	86	76	78	78	79	85	82	80	76	64	79	75	....	76.8
	Minimum	33	44	61	60	59	48	62	64	54	48	55	68	59	55	51	51	51	59	68	62	61	67	68	61	69	69	66	59	55	54	...	58.4
Runyon	Maximum	72	76	80	74	74	77	90	80	78	76	79	88	78	78	77	79	85	87	85	87	79	81	82	90	88	87	70	65	77	78	....	79.9
	Minimum	29	34	58	48	44	49	60	58	44	59	59	60	59	49	58	51	60	61	61	56	52	51	54	61	61	62	65	58	52	54	....	64.2
Trenton	Maximum	76	78	78	70	75	80	91	79	80	79	88	90	76	79	73	74	76	85	83	83	86	77	84	91	89	88	64	61	79	79	....	79.7
	Minimum	43	52	63	62	56	53	63	61	59	58	65	68	58	69	56	55	57	64	66	62	65	65	68	65	70	62	58	57	55	58	....	60.1
Trenton No. 2	Maximum	78	81	80	75	77	83	92	80	80	81	90	91	79	80	77	74	79	86	84	84	88	81	86	92	91	90	64	61	80	80	....	81.5
	Minimum	40	52	63	59	56	50	61	61	56	54	64	67	58	57	64	53	57	64	67	61	61	65	68	65	69	62	59	57	54	55	....	69.0
Tuckerton	Maximum	64	63	72	70	76	77	80	80	76	74	80	90	79	74	70	66	70	82	83	80	78	80	80	87	88	83	75	72	74	73	....	76.6
	Minimum	47	48	58	58	59	58	62	59	58	52	63	68	57	56	52	55	54	62	61	60	61	62	61	62	64	70	61	58	55	64	....	68.5
Philadelphia, Pa	Maximum	73	78	78	73	77	80	90	79	80	81	87	91	79	80	75	77	76	84	83	82	86	77	81	89	89	89	66	62	81	79	....	80.1
	Minimum	47	52	66	62	60	57	65	64	64	63	65	67	60	61	52	58	57	65	70	66	67	66	68	67	72	66	60	58	58	53	....	62.5
The Sea Coast.																																	
Atlantic City	Maximum	61	67	65	63	79	70	71	80	73	71	74	83	72	72	67	65	57	75	85	74	75	75	75	78	78	74	73	66	75	72	....	72.5
	Minimum	46	56	59	60	57	58	62	63	62	62	64	66	59	59	68	68	57	64	68	66	66	67	67	69	69	68	65	59	67	59	....	61.7
Long Branch	Maximum	64	71	74	66	78	81	89	74	78	70	81	90	71	77	59	56	68	78	82	75	80	75	76	85	87	87	62	60	78	74	...	75.6
	Minimum	37	49	62	60	65	51	63	59	55	56	65	68	62	59	66	58	55	64	66	63	61	67	66	65	70	62	58	57	56	55	....	69.4
Sandy Hook	Maximum	65	69	71	66	72	77	87	76	77	69	82	87	71	74	70	66	68	76	80	75	79	75	77	81	88	84	53	62	76	73	....	74.5
	Minimum	48	52	63	61	59	56	64	63	62	62	65	68	62	62	60	59	58	64	67	65	56	67	68	66	72	62	59	58	60	64	....	62.1

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

.05
NJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLIII. JULY, 1938. No. 7.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The average rainfall of 8.84 inches for the month was 4.05 inches above the normal. Although it did not establish a record for this month, there are only two other years, 1897 with 11.42 inches and 1889 with 10.19 inches, since the beginning of records in 1885, during which July had more rainfall. However, the sum for the two months of June and July does establish a record; the rainfall of 16.63 inches for that period being greater than for any previous such period on record. The rainfall was fairly well distributed throughout the month, although the heaviest rains occurred during the period of the 18th to the 24th when several stations reported over 3 inches for a single 24-hour period. The percentages of normal for the various subdivisions were as follows: The Highlands, 191%; Red Sandstone Plain, 187%; Southern Interior, 186%; Sea Coast, 205%.

The mean temperature for the state was slightly above normal. The maxima for the month were all in the nineties, with the exceptions of Dover with 88° and Atlantic City with 86°. The minina were all in the forties and fifties except along the Seacoast where they were in the sixties. The maxima occurred mostly around the 10th to the 12th and the minima mostly around the 3d to the 7th.

R. O. S.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 74.7°, which was 1.0° above normal. The highest temperature was 98° at Bridgeton on the 10th, and the lowest, 43°, at Charlotteburg and Layton on the 7th and 3d respectively. The greatest daily range of temperature was 44° at Runyon on the 8th. The highest monthly mean temperature was 77.9° at Bridgeton, and the lowest, 71.4° at Charlotteburg.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +1.9°; Red Sandstone Plain, +1.9°; Southern Interior, +2.1°; Sea Coast, +2.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 47 stations, was 8.84 inches, which was 4.05 inches above normal. The greatest monthly precipitation was 16.17 inches, at Long Branch, and the least, 6.29 inches at Little Falls. The greatest amount of precipitation in any 24 consecutive hours was 6.08 inches at Long Branch on the 20th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, +6.58 inches; Red Sandstone Plain, +4.63 inches; Southern Interior, +4.56 inches; Sea Coast, +2.67 inches.

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 11.

DENSE FOG: 8, 10, 11, 14, 18, 22, 25, 27, 28.

THUNDERSTORMS: 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 28, 29, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p. m.	
Atlantic City	29.99	30.15	22	29.76	2	14.0	38	sw.	14	86	....	8[illegible]	61
Long Branch	29.98	30.15	22	29.72	14	9.4	47	w.	15	81	62	69	65
Ridgefield	29.97	30.16	22	29.72	14		....	..	....	....	....	....	....
Sandy Hook	29.97	30.16	22	29.72	14	10.6	41	w.	29	83	71	79	60
Trenton	29.97	30.12	22	29.73	14	7.6	29	nw.	29	82	60	67	63

COMPARATIVE DATA FOR JULY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
1938	74.7	98	43	8.84	0	16	11	10	10
Period	73.7	110	33	4.79	0	10	13	11	7

Climatological Data for July, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	75.4^{1}	+2.2	...	...	...	...	...	8.89	+4.35	2.49	0	...	15	2	14	...	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	71.4	+1.5	90	11	43	7	36	9.20	+4.62	2.10	0	14	9	8	14	se.	Newark Water Dept
Culvers Lake‡‡	Sussex	760	37	...	...	...	...	...	...	...	8.37	+3.59	1.90	0	13	...	...	...	...	L. S. Depue.
Dover	Morris	600	54	72.4	+1.0	88	10†	50	3	30	9.34	+4.13	2.26	0	16	3	15	13	...	William C. Harris
Layton....(near)	Sussex	480	37	72.0	+1.1	90	8	43	3	40	8.09	+3.69	2.11	0	15	9	9	13	sw.	A. M. Depue.
Long Valley	Morris	660	7	73.2	...	92	11	49	7	36	8.87	...	2.15	0	15	17	12	2	ne.	James E. Rice.
Newton	Sussex	769	55	72.0	−0.5	90	11†	50	4†	33	8.52	+3.69	2.57	0	15	8	12	11	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	75.0	+1.1	93	10†	52	4†	37	8.60	+4.12	1.86	0	19	17	2	12	...	Town Engineer.
Sussex	Sussex	442	43	72.6^{a}	+0.6	91	11†	47	4	38	8.98	+5.16	2.40	0	14	11	7	13	...	A. J. W. Mowatt
Means and extremes	...	...	...	73.0	+1.0	93	10†	43	3†	40	8.76	+4.17	2.57	0	15	11	8	12	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	73.2	+1.3	91	11	50	7	33	9.30	+4.66	2.60	...	15	13	1	17	sw.	John Kline.
Canoe Brook	Essex	180	8	72.1	...	91	11	45	3†	40	8.83	...	2.76	...	17	11	14	6	w.	N. J. Water Policy Comm
Chatham	Morris	185	34	...	...	...	...	...	...	...	8.42	+3.48	2.14	0	16	12	12	7	...	Paul Molitor, Sr.
Elizabeth	Union	34	59	75.0^{a}	−0.2	93	10†	51	4	32	9.86	+5.14	2.62	0	20	11	8	12	sw.	Union County Park Comm
Flemington	Hunterdon	140	§52	76.2	+1.7	96	11	53	4	38	9.55	+4.70	2.13	0	17	18	6	7	w.	Hiram E. Deats
Jersey City	Hudson	81	40	76.4	+0.6	92	10	58	4	23	7.45	+3.10	2.38	0	15	9	14	8	sw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	74.3	+0.3	91	10†	55	3	30	11.99	+7.35	4.52	0	14	17	3	11	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	74.6	+0.8	93	10	51	3†	35	6.29	+1.57	1.52	0	15	7	13	11	w.	Passaic Valley Water Co
Newark	Essex	10	3	75.5	−0.1	94	29	56	4	29	7.96	+3.01	2.55	0	17	5	10	16	...	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	74.1	+0.1	90	8†	54	4	28	7.77	+2.82	1.80	0	18	13	12	6	se.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	...	...	...	...	...	...	...	9.63	+4.51	3.28	...	17	...	...	...	...	Hackensack Water Co
Paterson	Passaic	95	68	76.4	+1.9	93	10†	55	4	28	7.39	+3.09	2.01	0	14	12	7	12	s.	E. Stanulis, Evening News
Plainfield	Union	120	50	75.1	+1.5	93	10	52	4	32	14.27	+8.72	5.95	0	21	7	13	11	s.	S. K. Pearson.
Ridgefield	Bergen	80	21	74.8	+1.9	91	10†	54	4	28	6.94	+2.12	2.89	0	18	11	11	9	s.	George P. Kirsten.
Somerville(near)††	Somerset	385	55	73.6	−0.4	91	11	50	4	31	9.75	+4.51	2.29	0	20	2	11	18	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	...	...	...	...	...	...	...	8.64	+4.07	2.07	...	18	...	...	...	...	Hackensack Water Co.
New York, N.Y.	...	10	68	75.1	+1.3	90	29	57	4	20	6.41	+2.17	2.53	0	16	6	10	15	s.	U. S. Weather Bureau.
Means and extremes	...	...	...	74.7	+0.8	96	11	45	3†	40	9.00	+4.19	5.95	0	17	10	10	11	sw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	76.2^{a}	+2.8	92	8†	52	4†	37	9.95	+5.64	2.61	0	16	14	10	6	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	77.9	+1.4	98	10	55	5	31	9.97	+5.52	1.58	0	14	14	10	7	sw.	Bennett K. Matlack
Burlington	Burlington	12	§52	76.3	−0.5	96	11	55	4	34	6.88	+1.94	2.02	0	13	14	4	13	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	...	...	...	...	...	...	...	7.95	...	3.08	0	14	10	8	13	sw.	Central Airport, Inc.
Clayton	Gloucester	120	25	76.4	+1.2	95	11†	54	4	29	9.64	+5.08	3.20	0	15	15	2	14	s.	Worthy Hitt.
Freehold	Monmouth	194	¶34	74.4	...	92	29	52	4	30	8.50	+3.24	2.80	0	16	17	5	9	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	76.3	...	96	10	51	4	34	12.46	+7.92	2.80	0	16	14	11	6	sw.	J. G. Wilson.
Hightstown	Mercer	110	45	74.7	+0.6	92	8†	50	4	34	9.13	+4.21	2.69	0	16	12	10	9	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	76.0	+1.5	96	10	50	4	36	7.08	+2.33	1.43	0	17	4	19	8	sw.	Edward Entwistle.
Lakewood	Ocean	54	34	75.8	+2.8	95	10	53	4	33	9.90	+4.90	2.18	0	17	10	12	9	sw.	R. W. Holman.
Moorestown	Burlington	62	75	75.0	+0.8	93	10†	53	4	31	6.36	+1.66	1.84	0	15	15	5	11	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	...	...	...	...	...	...	...	6.60	+2.46	2.38	0	15	...	...	...	...	William L. Flick.
N. Merchantville	Camden	63	...	77.4	...	96	10†	56	4	31	7.71	...	2.41	0	12	8	11	12	sw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	75.0	...	94	11	46	4	31	7.91	...	2.08	0	14	10	11	10	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	74.1	+0.9	90	6	53	5	32	6.72	+2.66	2.68	...	19	18	5	8	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	73.0	0.0	97	17	44	1†	44	9.18	+3.80	3.10	...	15	13	17	1	s.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	76.0	+1.5	93	10	56	4	29	8.43	+4.49	2.24	0	16	2	14	15	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	75.8	...	93	10	53	4	31	10.35	...	2.38	0	15	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	45	74.2	+0.2	90	10	52	4†	33	7.33	+3.35	2.98	0	17	18	7	6	sw.	John H. Brown.
Philadelphia, Pa	...	26	67	77.2	+1.0	94	10	61	4	24	6.52	+2.37	2.95	0	16	6	13	12	sw.	U. S. Weather Bureau.
Means and extremes	...	...	...	75.6	+1.1	98	10	46	4	44	8.53	+3.95	3.20	0	15	12	10	9	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	73.0	+0.9	86	12	60	4	22	7.08	+3.15	3.37	0	15	5	14	12	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	74.6	+2.5	91	10	56	4	22	16.17	+10.32	6.08	0	18	7	13	11	sw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	75.3	+1.8	91	10	60	4	21	7.27	+2.15	2.43	0	16	6	12	13	s.	U. S. Weather Bureau.
Means and extremes	...	...	...	74.3	+1.7	91	10	56	4	22	10.17	+5.21	6.08	0	16	6	13	12	s.	
For the State	...	...	...	74.7	+1.0	98	10	43	3†	44	8.84	+4.05	6.08	0	16	11	10	10	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-9-6-38-900

Daily Precipitation for July, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	‡8.89
Charlotteburg	Passaic	...	.20	...	...	...	...	...	...	...	...	...	.93	.02	...	.06	...	.25	.02	.23	2.10	1.85	.82	1.65	.16	...	...	...	.65	...	.26	...	9.20
Culvers Lake	Delaware	...	.18	...	...	...	...	...	...	...	.20	...	.90	...	...	.12	...	...	...	.60	.36	1.76	1.56	1.90	.03	...	...	...	.34	.12	.30	...	8.37
Dover	Passaic	.14	...	...	...	...	...	...	...	.02	...	.22	.25	...	.35	.09	...	.18	...	.31	2.26	1.69	.71	2.04	.05	...	...	...	.01	.74	...	.28	9.34
Layton(near)	Delaware	.13	.07	...	...	...	...	...	...	.68	...	.53	.44	...	...	.14	...	...	...	.75	.20	.40	2.11	1.94	.01	...	...	.19	.02	.48	...	...	8.09
Long Valley	Raritan	...	.13	...	...	...	...	...	...	...	...	...	.42	.22	.06	.33	...	.30	...	.26	1.82	1.65	.82	2.15	.22	...	...	...	17	.27	...	.05	8.87
Newton	Delaware	.15	.14	...	...	...	...	...	...	...	...	1.35	.56	...	.16	.06	...	...	...	.47	.47	2.57	.71	1.20	.05	...	...	T.	...	.58	.03	.02	8.52
Phillipsburg	...do	.12	.03	...	...	...	...	...	...	.18	.12	.96	.25	...	.36	.32	...	.15	.03	.24	1.86	1.86	.49	.77	.05	...	...	.03	...	.08	...	.70	8.60
Sussex	Hudson	...	.31	...	...	...	...	...	...	.03	...	.25	1.49	.03	...	.20	...	...	.58	...	.36	2.40	1.24	1.34	...	...	...	.10	...	.57	.08	...	8.98
The Red Sandstone Plain.																																	
Boonton‖	Passaic	...	.09	...	...	...	...	...	...	...	.02	...	.16	T.	.05	.75	.03	...	.15	.08	.60	.31	2.60	.52	1.69	...	...	...	1.12	T.	1.13	...	9.80
Canoe Brook‖	...do	...	.03	...	...	...	...	...	...	...	.01	...	.19	.04	.06	36	.26	...	.12	.11	.46	.64	1.41	2.76	1.22	...	...	...	.68	.24	24	...	8.83
Chatham‖	...do	...	.05	...	...	...	...	...	...	...	T.	...	.18	.08	.08	.44	.23	...	.11	.11	.51	.48	1.33	2.14	1.40	...	...	...	.63	34	31	...	8.42
Elizabeth	Coast	...	.01	...	...	...	...	...	...	...	.03	2.47	.15	.10	.23	.11	.12	.35	.01	.12	.75	1.28	.63	2.01	.40	...	...	...	.52	.25	.09	23	9.86
Flemington	Raritan	...	.09	...	...	...	...	...	...	...	.27	T.	.17	...	.23	.22	...	.67	.06	.18	2.13	.99	1.48	1.84	.17	01	...	...	.16	.66	.22	T.	9.55
Jersey City	Coast	T.	...	...	...	...	...	...	...	...	.06	1.62	.08	T.	.08	.45	.23	T.	.05	.06	.80	.29	.34	2.38	.39	T.	...	...	T	T.	.27	.35	7.45
Lambertville(nr.)	Delaware	T.	.16	...	...	...	...	...	...	...	...	T.	.45	...	.53	.19	...	1.41	...	.45	.73	1.04	1.42	4.52	.33	T.	...	...	.02	.66	.08	...	11.99
Little Falls‖	Passaic	...	.09	...	...	...	...	...	...	...	.08	...	.18	...	.06	.45	.09	...	.05	.10	.52	.72	1.37	.73	1.52	...	...	...	05	...	.28	...	6.29
Newark***	Coast	T	.01	...	...	...	...	...	...	.05	.01	1.77	.35	...	.31	.05	...	.13	.05	13	.79	.78	.34	2.55	24	...	...	T.	T.	.18	...	.22	7.96
New Brunswick	Raritan	...	.06	...	...	...	...	...	...	...	.36	...	.13	.10	.50	.09	...	.41	.14	.20	.87	1.06	.44	1.80	.62	.08	...	...	.27	...	.29	.35	7.77
New Milford**	Hackensack	.04	...	...	...	...	...	...	...	.59	...	.20	.28	.03	.37	.54	...	.04	.05	.62	.43	1.14	1.68	3.28	.20	...	...	...	...	.06	.08	...	9.63
Paterson	Passaic	...	.11	...	...	...	...	...	...	...	.26	.03	.91	T.	.13	.44	...	T.	...	.14	.58	1.19	1.13	2.01	.17	...	...	...	T.	.02	.27	T.	7.39
Plainfield	Raritan	...	.08	...	...	...	...	...	...	.10	.07	.55	.14	.08	.25	.62	...	1.50	.02	.28	82	1.32	1.08	5.95	24	.11	T.	.41	.50	.10	.05	T.	14.27
Ridgefield**	Hackensack	.04	...	...	...	...	...	...	...	...	.05	.48	.07	...	.33	.11	...	.02	.16	.52	.71	.52	.42	2.89	.39	...	...	...	12	.07	.10	.04	6.94
Somerville(near)	Raritan	...	03	...	...	...	...	...	...	...	.03	.99	.20	.10	.73	.65	...	.29	.01	.30	1.22	.79	1.27	2.29	.21	...	...	.20	.06	.15	.21	.02	9.75
Woodcliff Lake**	Hackensack	.06	.04	...	...	...	...	...	...	.68	...	.46	.86	...	.11	.24	...	.04	.04	.25	.64	1.47	.77	2.07	.17	...	...	.06	...	55	.13	...	8.64
New York, N. Y***	Coast	T.	...	...	...	...	...	...	...	.05	...	1.02	.01	...	.22	.14	...	.09	.08	.04	.85	.63	.28	2.07	.49	...	T.	T.	.15	.16	...	.13	6.41
The Southern Interior.																																	
Belleplain	Tuckahoe	...	.06	T.	...	...	...	...	...	...	...	.12	.20	...	.71	20	...	...	.60	1.27	.44	2.61	.27	.51	1.90	...	.21	.41	...	...	.40	.04	9.95
Bridgeton	Delaware	...	.09	...	...	...	...	...	...	...	...		.30	...	.76	.05	...	T.	.61	.18	.28	1.18	1.58	1.02	2.80	...	20	...	...	...	90	.02	9.97
Burlington	Delaware	...	.13	...	...	...	...	...	...	...	.03	.25	.34	...	.43	.07	...	...	09	.35	2.02	1.10	.40	.71	.96	...	...	...	...	...	...	...	6.88
Camden**	...do	.16	.04	...	...	...	...	...	...	...	...	T	.35	...	.16	.28	...	T	.28	T	3.08	1.59	04	.59	1.10	T.	.25	...	...	.02	...	.01	7.95
Clayton	...do	...	.09	...	...	...	...	...	...	...	...	1.22	.38	...	.10	.16	...	.86	.06	.29	63	1.50	35	.25	3.20	...	.16	...	...	...	.39	...	9.64
Freehold	Raritan	...	.02	...	...	...	...	...	...	...	.20	.25	.13	...	.42	.81	...	.23	...	.35	2.80	.52	.45	.53	1.71	...	.02	...	...	...	.02	.04	8.50
Hammonton	Mullica	...	.17	...	...	...	...	...	...	...	T.	.64	.21	...	.37	.04	...	.37	.08	2.34	1.11	2.80	1.21	1.14	1.55	.02	...	...	...	...	.40	.01	12.46
Hightstown	Raritan	T.	.31	...	...	...	...	...	...	...	.16	.12	.09	...	45	.12	...	.11	.02	.47	2.03	93	58	2.69	.98	.01	T	T	...	...	.06	T	9.13
Indian Mills	Mullica	.07	T.	...	...	...	...	...	...	...	.02	.05	.42	...	.37	.21	...	.32	.38	.21	.46	.78	.93	1.43	1.15	...	.06	T	...	.01	.21	T	7.08
Lakewood	Metedeconk	...	.05	...	...	...	...	...	...	...	...	.78	.08	...	1.02	.15	...	.97	.03	.26	2.18	95	1.15	1.05	1.02	.02	.05	.02	...	...	12	T.	9.90
Moorestown‖	Delaware	...	.10	...	...	...	...	...	...	...	...	...	.32	...	.30	.46	...	...	.04	21	1.06	1.42	.21	.24	1.84	.02	.05	...	...	...	.08	.01	6.36
Northfield	Coast	...	.11	...	...	...	...	...	...	...	T.	...	.04	.06	.07	.20	...	...	.20	.21	.58	2.38	09	23	98	...	21	91	...	...	...	.33	6.60
N. Merchantville	Delaware	T.	.18	...	...	...	...	...	...	...	T.	...	.46	...	.12	.49	...	T.	.35	.04	2.41	1.82	26	.38	1.12	T	T.	...	T	T	.08	T.	7.71
Pemberton	Delaware	...	.02	...	...	...	...	...	...	...	T.	.01	.44	...	.45	.28	...	.69	...	.26	1.38	1.31	.89	.35	2.08	...	.03	...	...	...	.22	T.	7.91
Pleasantville‖	Coast	...	.07	...	...	...	...	...	...	...	.11	...	.09	.13	.02	.23	...	...	.07	41	25	2.68	.05	.10	.80	.38	.10	.95	.01	...	.23	.04	6.72
Runyon	Coast	.09	...	...	...	...	...	...	...	...	.31	...	.14	...	.47	.14	...	...	.04	.27	1.02	1.31	.45	3.10	1.07	.36	...	...	...	...	.16	25	9.18
Trenton***	Delaware	.10	.08	...	...	...	...	...	...	.24	...	.02	29	...	1.28	.08	...	06	.05	31	1.98	1.45	.47	1.37	59	T.	...	T	...	.06	...	T.	8.43
Trenton No. 2**	...do	.03	.14	...	...	...	...	...	...	.51	T.	.09	.28	...	1.79	31	...	.01	T.	.08	1.28	2.38	.44	2.25	.67	T.	...	T.	...	.09	...	...	10.35
Tuckerton	Coast	...	.07	...	...	...	...	...	...	...	...	.26	.04	.05	.09	.22	...	...	.06	.32	.81	2.98	46	.03	1.39	...	.14	.04	02	...	.35	...	7.33
Phila., Pa***	Delaware	.08	.02	...	...	...	...	...	...	...	...	.01	.45	...	.35	.21	...	T.	.21	.01	2.32	1.24	.35	.42	.66	.13	T.	...	T.	.05	...	.01	6.52
The Sea Coast.																																	
Atlantic City***	Coast	.04	.02	...	...	...	...	...	...	T.	...	...	.08	.02	.57	T.	...	...	.53	...	3.04	.34	.10	.41	1.02	...	.40	.07	...	.38	...	06	7.08
Long Branch**	...do	.02	.02	...	...	...	...	...	...	.36	T.	.05	.03	...	.60	.26	...	.01	2.52	1.55	6.08	.24	1.12	1.65	.69	...	.03	...	T.	.06	...	.88	16.17
Sandy Hook***	...do	T.	.01	...	...	...	...	...	...	.15	.02	.02	.05	...	1.07	.02	...	T.	.10	.28	1.34	1.01	.48	1.33	1.11	...	T.	T.	...	.02	...	.26	7.27

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡ Separate dates of falls not recorded.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.176	.134	.216	.208	.160	.208	.232	.200	.192	.202	.208	.118	.152	.204	.088	.164	.224	.112	.158	.044	.064	.034	***	***	.032	.112	.128	.232	.144	.168	.256	4.570
	Wind movement	7	23	8	7	6	13	8	10	13	17	10	11	11	10	11	10	11	12	13	3	13	22	23	7	10	9	14	7	8	16	7	350
Pleasantville**	Evaporation	.214	.064	352	.288	.288	.304	.304	.304	.334	.304	250	162	.292	.086	.192	.304	390	.218	.186	504	.130	036	*	.028	.196	*	.144	.224	.280	.136	.320	6.784
	Wind movement	89	43	61	47	36	40	47	139	56	58	52	32	60	91	46	39	101	59	95	47	115	90	52	51	32	25	37	66	58	31	101	1896
Runyon	Evaporation	.150	.180	.200	.180	.160	.240	.240	.240	.240	.190	.240	.230	220	.150	.140	.240	.240	.040	.090	.060	.170	090	***	.230	.090	.120	.120	.120	.180	.220	.250	5.280
	Wind movement	38	30	27	15	18	15	13	19	35	30	18	29	13	20	22	19	21	11	13	9	13	11	15	12	16	10	8	7	20	14	20	588

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for July, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	....	....	....	....	....	....	....	94	....	91	95	85	87	87	86	85	84	83	83	84	80	77	74	77	82	84	90	90	90	86	84	85.1^h
	Minimum	....	....	....	....	....	....	....	....	....	65	65	65	61	67	67	58	59	69	69	69	66	68	69	65	66	66	64	66	69	66	65	65.6^i
Charlotteburg	Maximum	79	81	79	78	81	83	83	88	85	89	90	81	87	82	84	82	85	81	80	81	80	81	78	76	81	83	89	88	87	86	87	83.1
	Minimum	53	64	46	46	49	59	43	56	56	62	59	62	58	61	61	52	50	65	67	67	66	66	67	64	64	67	64	65	64	64	61	59.6
Dover	Maximum	76	80	77	74	82	84	83	87	86	88	88	82	85	80	80	83	85	83	75	76	79	75	72	75	78	79	85	85	86	82	83	81.1
	Minimum	58	64	50	51	55	62	57	57	67	67	63	66	60	66	69	58	56	69	71	69	68	68	67	66	67	69	67	64	69	66	65	63.6
Layton (near)	Maximum	78	81	76	78	83	84	85	90	86	88	89	85	86	82	84	84	88	80	80	86	81	78	73	80	83	83	89	86	89	89	89	83.6
	Minimum	56	66	43	55	47	54	45	55	59	60	59	65	56	62	70	53	54	68	67	68	68	65	68	65	64	65	64	65	68	62	61	60.5
Long Valley	Maximum	84	83	74	75	84	84	85	90	90	90	92	85	84	83	83	84	90	86	84	88	84	80	76	86	86	84	86	90	91	86	86	84.9
	Minimum	54	64	50	50	54	58	49	61	62	64	62	64	60	65	65	56	55	65	69	67	65	64	67	64	66	67	65	63	64	63	64	61.5
Newton	Maximum	78	79	78	75	80	83	83	88	86	88	90	81	85	81	83	81	88	80	81	83	81	78	73	77	81	83	83	87	89	90	87	82.6
	Minimum	56	64	51	50	54	61	50	60	59	63	64	62	60	68	60	56	59	68	66	67	64	65	62	64	60	67	64	64	65	68	67	61.5
Phillipsburg	Maximum	80	85	80	80	87	90	89	91	86	93	93	87	88	84	86	87	91	84	80	84	86	76	76	78	83	83	90	89	91	89	85	85.5
	Minimum	59	66	53	52	55	58	52	61	66	65	66	66	62	75	67	60	60	69	71	70	67	70	68	67	68	69	65	69	71	69	67	64.6
Sussex	Maximum	79	79	79	75	82	82	86	90	90	90	91	85	86	84	84	83	91	83	....	87	84	80	75	79	84	84	90	88	89	86	88	84.4^a
	Minimum	57	65	48	47	52	57	48	58	61	65	64	64	58	65	65	55	57	66	....	63	65	65	63	65	63	67	65	65	68	63	63	60.9^a
The Red Sandstone Plain.																																	
Boonton§§	Maximum	80	82	77	76	82	84	83	89	87	89	91	83	87	81	84	83	88	85	79	78	81	78	74	78	81	82	88	88	89	87	88	83.3
	Minimum	56	60	53	52	60	61	50	57	60	69	64	66	60	66	68	59	57	63	70	69	70	67	70	66	65	69	66	65	68	67	65	63.2
Canoe Brook§§	Maximum	78	81	84	78	79	84	86	82	88	89	91	90	86	88	82	87	85	89	86	78	78	82	76	76	76	80	83	88	89	90	87	83.7
	Minimum	51	63	45	45	47	55	46	57	60	63	60	65	60	65	68	56	54	66	68	66	67	66	68	65	62	66	63	63	67	66	62	60.5
Elizabeth	Maximum	81	87	81	80	87	90	85	89	92	93	91	88	91	84	....	93	90	88	79	77	84	75	76	76	82	84	89	83	93	89	91	85.6^a
	Minimum	57	64	54	51	54	61	55	63	63	68	66	66	62	69	69	61	61	70	69	69	68	68	69	67	65	69	65	66	70	69	66	64.3
Flemington	Maximum	82	84	80	80	89	89	92	95	92	93	96	90	92	86	90	90	91	88	81	83	87	84	78	79	83	84	93	93	93	90	90	87.6
	Minimum	58	67	54	53	54	61	54	61	65	66	67	66	63	69	69	63	61	69	70	69	69	68	70	67	67	68	66	68	71	68	68	64.8
Jersey City	Maximum	79	83	77	77	86	87	82	82	85	92	90	84	88	83	88	85	87	87	86	77	83	81	75	76	83	82	84	89	91	87	87	84.0
	Minimum	64	68	59	58	63	66	61	67	70	72	70	70	69	72	70	68	71	73	71	71	70	70	71	68	68	71	69	71	74	71	73	68.7
Lambertville (near)	Maximum	80	82	83	75	84	86	87	90	87	91	91	85	87	82	86	88	90	85	78	78	82	76	76	76	80	79	88	90	90	86	88	84.1
	Minimum	59	56	55	57	57	59	64	60	61	66	70	65	69	64	62	68	68	67	69	68	68	68	68	65	64	64	64	70	68	68	69	64.5
Little Falls§§	Maximum	81	85	78	80	86	87	87	89	92	93	91	83	90	82	86	86	90	88	76	80	85	79	76	79	84	88	90	90	92	90	90	85.6
	Minimum	55	65	51	51	54	60	52	59	68	67	64	67	60	67	69	59	58	69	70	69	69	67	68	66	65	68	67	65	69	67	65	63.5
Newark	Maximum	81	84	75	77	86	88	82	85	90	92	88	87	89	84	87	86	89	88	81	77	83	76	77	76	82	83	88	92	94	88	88	84.6
	Minimum	60	64	61	56	57	61	59	65	67	69	66	69	66	71	68	66	65	71	70	69	69	70	68	69	67	70	67	68	72	69	68	66.4
New Brunswick	Maximum	80	80	80	74	83	84	83	90	89	90	88	84	83	82	84	82	82	85	84	75	81	80	77	76	80	78	86	88	90	88	86	83.0
	Minimum	57	64	57	54	57	60	55	63	67	68	70	66	65	69	69	64	62	70	69	68	68	68	70	67	64	69	65	67	72	70	68	65.2
Paterson	Maximum	81	85	81	79	87	89	85	90	91	93	90	86	90	83	88	86	90	89	80	81	84	82	77	78	82	85	87	91	93	89	92	85.9
	Minimum	60	68	58	55	60	66	58	62	69	70	69	69	65	70	71	64	64	72	72	71	70	69	69	60	68	71	69	68	72	69	79	67.0
Plainfield	Maximum	82	86	79	78	87	88	85	92	92	93	92	86	90	84	86	87	90	87	79	79	83	76	78	78	83	82	90	90	92	89	89	85.5
	Minimum	57	65	56	52	55	60	56	62	64	68	67	66	62	69	69	61	61	70	70	69	69	69	69	68	65	69	66	67	70	69	66	64.7
Ridgefield	Maximum	79	82	77	75	83	86	84	85	88	91	88	86	88	81	87	85	88	85	76	77	83	76	73	76	82	82	87	90	91	84	88	83.3
	Minimum	59	66	56	54	55	64	57	62	69	70	69	69	64	72	71	63	64	72	71	70	69	69	69	69	68	71	68	67	71	70	68	66.8
Somerville (near)	Maximum	79	83	78	78	83	86	84	90	88	90	91	85	87	81	85	81	86	85	76	78	83	75	75	76	80	81	88	89	89	86	87	83.3
	Minimum	58	64	52	50	56	59	56	59	65	65	67	65	62	69	68	62	61	69	69	69	68	68	69	66	65	68	68	66	69	67	66	64.0
New York, N. Y.	Maximum	78	81	75	76	83	84	82	82	85	89	88	83	87	80	84	82	86	86	78	77	79	75	75	75	82	81	85	89	90	84	85	82.1
	Minimum	63	65	60	57	63	66	68	66	70	71	70	69	70	71	70	69	70	71	70	69	68	70	69	66	68	70	68	71	70	70	72	68.1
The Southern Interior.																																	
Belleplain	Maximum	80	84	81	79	89	....	88	92	91	91	92	86	89	89	84	88	90	87	88	85	83	80	81	76	81	81	88	90	89	88	89	86.0^a
	Minimum	59	64	59	52	52	....	57	61	69	71	72	67	69	71	71	68	63	69	69	71	69	70	71	68	62	68	69	70	73	70	71	66.5^a
Bridgeton	Maximum	84	88	83	77	86	90	92	94	92	98	97	88	93	88	90	89	91	93	89	88	84	83	85	75	86	75	89	94	95	87	92	88.2
	Minimum	59	67	60	56	55	60	63	63	70	75	75	72	72	70	67	68	68	70	70	73	70	70	69	68	65	68	69	71	72	70	71	67.6
Burlington	Maximum	81	87	84	79	86	90	91	94	90	95	96	86	91	84	87	87	91	91	86	82	83	79	81	76	85	81	89	91	92	89	90	86.9
	Minimum	61	66	58	55	56	61	57	64	56	68	69	67	65	71	65	66	63	70	70	70	69	70	69	65	65	70	66	71	71	71	71	65.7
Clayton	Maximum	81	85	82	78	84	78	89	92	89	94	95	85	90	85	86	87	92	90	85	85	82	80	84	76	85	80	95	92	91	86	89	86.2
	Minimum	57	67	57	54	56	59	61	63	65	70	70	67	74	72	65	66	66	69	70	73	69	70	72	68	65	69	69	70	71	71	72	66.7
Freehold	Maximum	80	83	77	74	83	86	85	88	89	91	89	85	88	84	85	86	88	88	84	77	82	77	80	75	82	80	87	91	92	86	89	84.2
	Minimum	58	63	56	52	54	63	55	64	64	67	70	66	64	70	64	63	67	67	68	64	66	69	70	66	63	68	67	68	70	70	69	64.7
Hammonton	Maximum	81	86	79	79	86	89	88	94	91	96	94	86	92	90	88	88	93	91	86	87	82	83	84	75	85	86	88	93	92	86	89	87.3
	Minimum	58	63	55	51	52	67	64	66	64	66	65	66	64	69	65	67	65	68	68	70	66	68	65	68	63	75	73	66	69	69	70	65.3
Hightstown	Maximum	81	83	78	78	84	87	87	92	89	91	91	86	89	83	86	85	90	89	82	79	83	77	81	76	83	80	88	92	92	87	89	85.1
	Minimum	60	63	53	50	54	61	53	60	63	67	69	65	63	68	67	62	63	71	69	68	67	68	68	66	64	69	65	69	71	69	68	64.3
Indian Mills	Maximum	83	86	79	79	86	90	91	94	90	96	95	85	92	86	87	89	92	91	84	81	82	77	80	75	86	77	88	94	93	88	91	86.7
	Minimum	60	64	55	50	52	60	55	64	66	70	68	67	64	72	66	64	62	69	68	70	68	69	68	66	64	69	69	70	71	70	71	65.2
Lakewood	Maximum	83	86	82	78	87	88	85	89	89	95	90	87	89	87	88	88	89	90	84	78	83	81	82	74	82	78	87	90	94	88	90	85.8
	Minimum	58	66	55	53	54	60	55	64	63	68	67	67	64	71	67	64	63	72	70	70	68	70	71	69	64	70	68	69	77	71	71	65.8
Moorestown	Maximum	77	84	77	78	82	87	88	91	87	93	93	85	89	79	86	84	86	86	86	81	82	75	75	73	83	74	85	90	90	88	86	83.9
	Minimum	60	63	57	53	56	58	57	62	66	69	70	68	67	68	65	65	64	71	70	71	69	73	72	65	66	70	68	72	71	70	72	66.1
N. Merchantville	Maximum	84	85	84	79	87	89	90	94	90	96	96	88	91	85	89	89	92	90	88	85	84	78	81	79	87	80	89	91	92	88	92	87.5
	Minimum	61	67	59	56	59	63	61	63	68	70	72	68	68	72	66	67	68	71	70	71	69	72	72	65	66	70	67	72	72	71	73	67.4
Pemberton	Maximum	78	76	84	77	84	89	87	93	93	93	94	85	91	84	87	87	87	86	85	81	81	79	76	75	83	83	87	87	91	90	88	85.2
	Minimum	60	57	56	46	53	61	56	63	63	63	69	67	66	70	65	66	66	70	69	70	67	70	71	66	64	69	68	69	71	70	70	64.9
Pleasantville§§	Maximum	76	84	74	76	85	90	81	83	79	87	85	87	85	84	87	85	84	84	81	78	80	77	79	74	80	74	84	86	86	86	85	82.1
	Minimum	62	64	58	54	53	60	58	66	67	71	68	68	69	71	70	67	62	71	69	71	68	69	69	67	62	69	70	69	70	69	69	66.1
Runyon	Maximum	80	86	84	80	81	82	82	90	88	89	91	85	87	88	85	86	97	92	92	82	84	84	87	77	79	84	87	90	91	88	89	86.0
	Minimum	44	45	46	46	47	45	44	46	62	65	63	65	65	67	72	56	55	68	68	69	66	67	67	65	64	65	67	65	65	65	67	60.0
Trenton	Maximum	80	84	77	77	84	87	89	91	89	93	91	86	89	83	87	85	89	88	80	78	82	76	80	76	83	79	88	91	91	87	89	84.8
	Minimum	62	66	58	56	60	64	62	62	68	70	69	67	69	69	70	68	67	72	70	69	68	71	69	66	66	70	65	72	72	71	72	67.1
Trenton No. 2	Maximum	82	86	80	79	86	88	89	92	91	93	92	87	90	84	88	86	91	90	81	80	84	76	80	77	85	82	88	93	92	88	90	86.1
	Minimum	61	65	55	53	57	62	58	62	67	68	71	66	66	68	68	65	64	64	70	69	69	68	68	66	65	70	64	71	71	70	70	65.5
Tuckerton	Maximum	76	85	75	77	85	88	87	86	84	90	86	87	85	83	88	84	85	86	83	83	80	75	80	75	78	75	80	85	85	85	85	82.8
	Minimum	58	62	58	52	52	62	58	65	67	70	68	70	68	70	70	68	62	70	68	67	66	67	70	67	65	68	67	70	68	70	70	65.6
Philadelphia, Pa.	Maximum	81	85	78	78	84	89	87	91	88	94	93	86	89	83	86	85	90	86	85	82	82	77	79	75	84	78	90	90	90	86	88	85.1
	Minimum	62	67	64	61	65	66	69	67	71	74	71	69	75	74	65	72	73	72	71	71	70	71	68	66	67	70	68	74	73	72	73	69.4
The Sea Coast.																																	
Atlantic City	Maximum	73	82	70	77	84	85	76	78	76	82	80	86	83	77	80	81	79	79	79	75	75	74	74	71	79	73	78	80	79	83	79	78.3
	Minimum	64	66	64	60	62	67	65	68	70	70	70	70	73	70	69	70	72	71	70	67	67	68	67	66	66	70	68	71	68	67	67	67.8
Long Branch	Maximum	79	84	76	77	85	87	77	81	84	91	83	85	84	86	88	81	83	84	78	76	83	80	79	73	79	81	82	87	89	87	86	82.4
	Minimum	61	65	65	56	57	65	58	65	65	70	70	67	68	73	66	66	68	69	69	70	68	70	69	67	66	69	70	70	70	70	71	66.9
Sandy Hook	Maximum	76	82	76	75	83	85	79	80	83	91	83	84	84	82	85	82	84	83	79	74	81	78	77	73	78	81	81	87	87	86	85	81.4
	Minimum	65	66	66	60	64	68	67	67	70	70	71	69	70	71	71	70	72	72	71	70	70	71	70	68	68	71	69	71	72	72	72	69.2

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

551.05
NNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLIII. AUGUST, 1938. No. 8.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The mean temperature for the State was considerably above the normal for the month, this being the second warmest August on record. All stations reported excesses. The maxima were all in the nineties, except for Dover with 89° and Flemington with 100°. The maxima occurred mostly around the 3d and the 16th. The minima were mostly in the fifties and occurred mostly on the 25th and 26th.

The mean rainfall for the State was somewhat below the normal, only one station, Northfield, reporting a slight excess. The percentages of the normal for the various sub-divisions were as follows: The Highlands, 92%; Red Sandstone Plain, 52%; Southern Interior, 65%; Sea Coast, 83%. The rainfall mostly occurred during the first half of the month, very few stations reporting any between the 19th and the 31st. The heaviest rains occurred around the 11th when some stations reported over half of the total monthly fall as having occurred within a period of 24 consecutive hours.

R. O. S.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 75.4°, which was 3.6° above normal. The highest temperature was 100° at Flemington on the 15th, and the lowest, 41°, at Runyon on the 26th. The greatest daily range of temperature was 41° at Runyon on the 13th and at Charlotteburg on the 26th. The highest monthly mean temperature was 78.4° at Jersey City, and the lowest, 71.8° at Charlotteburg.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +2.1°; Red Sandstone Plain, +2.2°; Southern Interior, +2.2°; Sea Coast, +2.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 47 stations, was 3.09 inches, which was 1.66 inches below normal. The greatest monthly precipitation was 5.27 inches, at Tuckerton, and the least, 1.23 inches at Elizabeth. The greatest amount of precipitation in any 24 consecutive hours was 3.16 inches at Long Branch on the 6-7th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, +5.58 inches; Red Sandstone Plain, +2.38 inches; Southern Interior, +1.29 inches; Sea Coast, +1.81 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 3, 4, 5, 6, 8, 21, 31.

THUNDERSTORMS: 1, 2, 4, 5, 6, 7, 8, 9, 11, 12, 16, 17, 18, 22, 27, 28, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p m.	
Atlantic City	29.99	30.16	21	29.67	11	13.4	32	s	1	82	66	78	75
Long Branch	29.98	30.15	21	29.60	11	10.2	33	nw.	11	82	68	59	74
Ridgefield	29.97	30.16	21	29.60	11		....		....	....	....	....	....
Sandy Hook	29.97	30.16	21	29.63	11	10.9	33	nw.	6	83	63	75	74
Trenton	29.98	30.17	21	29.65	11	7.5	26	s.	5	80	55	69	75

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	.....	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5.32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74 6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71 2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	9
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	10.53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	75.2	100	45	6.82	0	14	14	7	10
1938	75.4	100	41	3.09	0	8	18	8	5
Period	71.8	108	33	4.75	0	10	13	11	7

Climatological Data for August, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	73.6	+2.8	96	3†	51	26	34	2.32	−2.25	0.52	0	7	24	4	3	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	71.8	+4.3	93	15†	45	26	41	2.92	−1.58	1.09	0	6	22	4	5	s.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	4.37	−0.28	1.14	0	8	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	72.8^{c}	+3.7	89	3†	53	26†	28	3.71	−0.79	1.08	0	12	5	22	4	......	William C. Harris
Layton....(near)	Sussex	480	37	72.6	+4.4	95	15	48	25†	36	3.59	−0.50	1.36	0	7	13	8	10	sw.	A. M. Depue.
Long Valley	Morris	660	7	73.0	......	93	5†	51	30	35	3.40	....	1.22	0	7	24	6	1	nw	James E. Rice.
Newton	Sussex	769	55	72.2	+1.9	93	16	52	26†	31	3.69	−0.66	1.40	0	10	11	15	5	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	76.1^{k}	+4.4	96	15	......	......	....	2.61	−1.79	1.03	0	10	21	6	4	......	Town Engineer.
Sussex	Sussex	442	43	......	......	......	......	......	......	....	3.84	−0.16	......	0	....	....	....	....	......	A. J. W. Mowatt
Means and extremes	......	......	....	73.2	+3.6	96	3†	45	26	41	3.38	−1.00	1.40	0	8	17	9	5	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	73.9	+3.8	95	16	51	26	34	2.49	−2.20	1.05	0	9	19	2	10	nw.	John Kline.
Canoe Brook‡	Essex	180	8	73.8	......	95	17	48	26	39	3.70	....	2.12	......	8	23	6	2	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	4.06	−0.59	1.79	0	11	20	9	2	......	Paul Molitor, Sr.
Elizabeth	Union	34	59	76.8	+3.6	97	3	55	26	35	1.23	−3.10	0.68	0	7	23	1	7	w.	Union County Park Comm.
Flemington	Hunterdon	140	§52	77.4	+5.1	100	15	54	26	37	3.09	−1.43	2.35	0	6	24	5	2	sw.	Hiram E. Deats
Jersey City	Hudson	81	40	78.4	+4.8	97	15	59	29	25	2.13	−2.20	0.93	0	7	18	10	3	n.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	76.2	+4.2	93	15†	52	28	31	3.08	−1.72	1.42	0	10	20	6	5	sw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	75.2	+4.0	95	3†	52	26	36	2.27	−2.69	1.12	0	10	17	10	4	w.	Passaic Valley Water Co
Newark	Essex	10	3	76.6	+3.9	95	3†	58	26†	29	1.92	−2.63	0.77	0	8	12	9	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	75 2	+3.2	94	15	55	25†	30	1.70	−3.70	0.88	0	8	20	11	0	s.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	2.20	−2.35	1.34	......	7	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	77.4	+5.2	96	3†	58	26†	31	2.60	−2.03	1.69	0	7	17	10	4	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	76.4	+5.0	96	3	54	26	31	1.68	−3.42	0.76	0	9	14	10	7	sw.	S. K. Pearson.
Ridgefield	Bergen	80	21	75.4	+4.7	94	15	56	26	28	4.56	−0.35	2.14	0	7	16	11	4	nw.	George P. Kirsten.
Somerville (near)	Somerset	385	55	74.8	+2.6	94	15	54	26†	33	1.24	−3.68	0.88	0	5	11	8	12	sw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	2.59	−1.63	0.95	......	8	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	68	76.3	+3.2	93	15	60	25	22	1.99	−2.34	1.21	0	8	11	12	8	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	76.1	+4.2	100	15	51	26	37	2.53	−2 25	2.35	0	8	18	8	5	sw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	75.1	+3.0	92	15†	50	26	33	2.86	−1.74	1 11	0	5	21	8	2	sw.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	77.6	+3.0	97	15	54	26	31	1.57	−3.10	0.76	0	6	21	9	1	s.	Bennett K. Matlack
Burlington	Burlington	12	§52	77.0	+2.6	98	15	58	25†	32	3.49	−2.29	1.05	0	9	19	6	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	4.63	......	2.02	0	12	20	5	6	sw.	Central Airport, Inc.
Clayton	Gloucester	120	25	76.2	+3.1	95	15	51	26	31	4.23	−0.59	2.33	0	6	23	0	8	s.	Worthy Hitt.
Freehold	Monmouth	194	¶34	75.4	......	94	15	53	25†	30	3.18	−1.41	1.85	0	8	27	4	0	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	75.2	......	95	15	49	26	39	2.93	−1.95	1.50	0	8	22	9	0	w.	J. G. Wilson.
Hightstown	Mercer	110	45	75.4	+3.5	96	15	51	26	33	1.54	−3.48	0.72	0	12	18	8	5	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	75.8	+3.4	97	3†	49	26	35	1.93	−3.60	0.73	0	11	11	18	2	w.	Edward Entwistle.
Lakewood	Ocean	54	34	75.6	+4.7	96	15	50	26	33	2.83	−2.36	1.00	0	8	20	6	5	sw.	R. W. Holman.
Moorestown	Burlington	62	75	75.6	+3.1	95	15	53	26	29	3.44	−1.93	1.06	0	8	15	10	6	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	5.14	+0.62	2.74	0	6	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	77.8	......	96	15	56	26	28	3.85	....	1.67	0	9	13	11	7	sw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	76.5	......	97	15†	51	26	35	2.00	....	0 94	0	9	22	5	4	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	74.2	+2 5	96	5	51	26	31	4.11	−0.55	1.73	......	8	26	2	3	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	74.2	+2.7	96	15	41	26	41	2.29	−3.03	0.93	......	8	18	13	0	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	76.6	+3.6	95	15	59	25	27	3.66	−1.09	1 42	0	10	11	11	9	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	76.6	......	96	15	55	25	32	3.12	....	1.04	0	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	75.0	+2.6	97	16	55	13†	30	5.27	−0.03	2.46	0	8	23	8	0	nw.	John H. Brown.
Philadelphia, Pa.	......	26	67	78.4	+3 6	95	16	63	26	22	4.10	−0.52	1.63	0	12	12	10	9	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.9	+3.2	98	15	41	26	41	3.27	−1.78	2.74	0	9	19	8	4	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	75.0	+2.5	95	16	60	26	23	3.91	−0.58	2.11	0	7	12	11	8	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	75.0	+4.2	95	15	54	26	27	4.89	−0.59	3.16	0	12	10	12	9	w.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	76.4	+3.9	93	15	64	26	20	3.56	−1.42	1.55	0	11	13	7	11	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	75.5	+3.5	95	15†	54	26	27	4.12	−0.86	3.16	0	10	12	10	9	sw.	
For the State	......	......	....	75.4	+3.6	100	15	41	26	41	3.09	−1.66	3.16	0	8	18	8	5	sw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-9-6-38-900

‡ Temperature not used in means.

Daily Precipitation for August, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	.52				.10	.40		.07	.24	.51						T.	.48															2.32
Charlotteburg	Passaic		.23		.12		.75		.55			1.09							.18														2.92
Culvers Lake	Delaware	.05	.57		.18		.56			.12		1.14						.88	.87														4.57
Dover	Passaic	.49			.07	.48	.41		.02	.67	.20	.88					.03	.12	.04													.30	3.71
Layton(near)	Delaware	.96				.14	.02	T.		.06		1.05						.57	.79														3.59
Long Valley	Raritan		.40				.82	.04	1.22			.60						.22	.10														3.40
Newton	Delaware	.46	.02			.20	.40	.01		.05		1.40						.92	.20												.03		3.69
Phillipsburg	do	.18				T.	1.03		.08	.09	.35	.09					.20	.32	.18									T.				.09	2.61
Sussex	Hudson																																3.84
The Red Sandstone Plain.																																	
Boonton ‖	Passaic	.40	.46				.09	.32		.01	.14	1.05							.01	.01													2.49
Canoe Brook ‖	do	.31	.05					2.12	.42	.18		.52							.06	.04													3.70
Chatham ‖	do	.17	.11			.35	.03	1.79		.67	.25	.46						.04	.05	.14													4.06
Elizabeth	Coast		.01		.14		.10	.01	T.	.20		.68					T.	T.	.09														1.23
Flemington	Raritan	T.	.18		T.		.32	.02	T.			.22					T.	2.15	.20				T.					T.	T.				3.09
Jersey City	Coast		.01		T.	.04	.41	.06	T.	.67		.93					T.	.01	T.														2.13
Lambertville(nr.)	Delaware	.20	.09				.62	.11	.04				.18				.01	1.42	.38										.03				3.08
Little Falls ‖	Passaic	.02	.12			.01	.46	.41	.03	.03		1.12							.01	.06													2.27
Newark***	Coast	.01	T.		.02		.08	T.	.67	T.	.72	.05					T.		.02													.35	1.92
New Brunswick	Raritan		.11		.23	T.	.88		.03	.05		.27						.05	.08										T.				1.70
New Milford**	Hackensack	.08				.04	.14		.25		.28	1.34																				.07	2.20
Paterson	Passaic		.26			.07	.38	T.				1.69					.02	.10	.08														2.60
Plainfield	Raritan	.02	T.		T.	T.	.72	.04	.14	.16	*	.45						.04	.11														1.68
Ridgefield**	Hackensack	.01			T.	.33	1.81		.76		*	1.57					T.		.08														4.56
Somerville(near)	Raritan		.15				T.					.88		.01			.01		.19														1.24
Woodcliff Lake**	Hackensack	.20				.03	.14	.07	.76		.26	.95																				.18	2.59
New York, N. Y***	Coast	T.	.01		T.	.02	.20	T.	.34		.54	.67					T.	T.	.01				T.									.20	1.99
The Southern Interior.																																	
Belleplain	Tuckahoe		1.11					.34	.64		.35							.42															2.86
Bridgeton	Delaware		.76		.08			.03	.42		.21								.07														1.57
Burlington	Delaware		.17		.09	1.05	.09	.54	.03			.40						.62	.50														3.49
Camden**	do	.16	.07		.07	.13	.13	2.02	.03		.04	T.						.41	.63				.26		T.							.68	4.63
Clayton	do		.33		.92			.20	2.33			.07							.38														4.23
Freehold	Raritan		.08		.09	.02		1.85	.70			.19							.18										.07				3.18
Hammonton	Mullica		.43	T.	.19	.29		.45	1.05									.33	.16					.03									2.93
Hightstown	Raritan	.01	.13		.02		.62	.10	.11	T.		.16					.02	.13	.01					.02				T.	.21				1.54
Indian Mills	Mullica		.11		.08	.29	.01	.27	.73		.01	.01						.14	.16					.12	T.								1.93
Lakewood	Metedeconk		.05		.23	.34	.50	1.00	.07			.14					T.		.50														2.83
Moorestown ‖	Delaware		.17			.04	.03	1.06	1.04	.03		.03							1.04														3.44
Northfield	Coast		.31					.60	1.41	.04		T.						2.74	.04														5.14
N. Merchantville	Delaware		.24		.02	T.	.04	1.67	.55			.03						.12	1.09					.09									3.85
Pemberton	Delaware		.13		.23	.28	.05	.94	.06			.02						.17	.12														2.00
Pleasantville ‖	Coast		.26						1.73	.88	.02	.01						.92	.04										.25				4.11
Runyon	Coast	.05	.07				.44	.30				.35						.07	.08										.93				2.29
Trenton***	Delaware	.12	T.		.43	.06	1.32	.10	T.		.03	.01					T.	.91	.01													.67	3.66
Trenton No. 2**	do	.13	.01		.11	.07	1.04	.12	.02		.01	.12					T.	.72	.02													.75	3.12
Tuckerton	Coast		.03			.03		2.00	.38	.27								2.46	.06									.04					5.27
Phila., Pa***	Delaware	.17	.04		.11	T.	.24	1.45	.02		.04	.02						.77	.64				.01									.59	4.10
The Sea Coast.																																	
Atlantic City***	Coast	.03	.16			T.		.41	2.03	T.	T.						1.16	.10					T.					.02				T.	3.91
Long Branch**	do	.02	.03		.52	.04	2.00	1.16	.05	T.	.23	.49					T.		.26									.08				.01	4.89
Sandy Hook***	do	.02	.01		.04		.53	1.02	1.10	.02	.06	.16					T.		.34													.26	3.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a. m. ‖ Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch. ‡ Separate dates of falls not recorded.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.146	.256	.288	.112	.128	.040	.068	.132	.096	.136	.256	.192	.288	.192	.192	.160	.156	.040	.256	.256	.128	.256	.192	.224	.160	.160	.160	.160	.192	.160	.120	5.802
	Wind movement	24	5	5	11	8	8	9	6	7	18	20	23	8	8	8	2	24	12	4	4	13	7	16	22	8	6	12	7	12	7	33	357
Pleasantville**	Evaporation	.228	.160	.288	.160	.192	.320	.130	.160	.116	.266	.288	.320	.096	.384	.256	.184	.136	.192	.256	.224	.288	.192	.272	.320	.256	.192	.154	.288	.224	.160	.166	6.868
	Wind movement	81	28	48	44	53	106	40	33	24	64	46	78	40	22	27	37	26	54	34	30	26	49	57	65	39	51	62	46	43	34	116	1503
Runyon	Evaporation	.260	.190	.180	.120	.160	.140	.150	.150	.150	.150	.150	.225	.225	.210	.180	.140	.160	.080	.180	.150	.210	.180	.180	.160	.160	.180	.210	.160	.200	.200	.200	5.410
	Wind movement	48	8	8	4	7	7	30	6	5	7	30	14	13	10	8	13	4					12	16	20	15	24	16	25	22	19	8	

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for August, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	91	90	96	91	94	80	86	84	87	83	80	80	84	90	96	90	91	87	86	87	80	86	87	78	76	76	87	78	75	86	85	85.4
	Minimum	69	70	67	70	71	68	70	70	64	61	68	60	54	59	62	70	68	70	55	66	59	60	53	65	65	51	64	53	52	63	59	61.8
Charlotteburg	Maximum	88	90	92	89	91	86	87	86	85	83	89	85	83	87	95	[illegible]	93	86	86	86	86	83	85	84	86	86	86	84	80	86	85	86.7
	Minimum	63	61	61	63	69	62	68	54	59	51	63	61	51	54	59	61	65	67	57	51	51	55	51	61	50	45	48	52	47	47	54	56.8
Dover	Maximum	86	86	89	85	87	81	83	83	85	82	89	78	82	86	89	89	84	77	85	85	86	82	83	75	75	75	82	76	76	81	81	82.7
	Minimum	68	70	67	70	71	67	72	69	63	60	66	62	55	.	65	72	71	69	60	58	...	59	56	64	55	53	64	....	53	58	69	62.9[c]
Layton (near)	Maximum	88	88	92	91	90	85	85	82	85	81	88	79	85	89	95	93	90	74	85	90	87	86	86	75	79	80	85	80	81	85	85	85.3
	Minimum	68	68	65	68	65	65	70	68	62	58	68	61	59	57	60	69	69	66	58	57	56	58	50	60	48	49	53	48	50	65	57	60.0
Long Valley	Maximum	90	88	92	91	93	88	90	86	86	87	88	78	84	86	93	92	92	78	80	84	86	88	84	86	78	76	85	78	75	76	86	85.3
	Minimum	66	68	65	66	70	65	65	66	62	61	66	59	55	59	64	71	68	68	58	56	56	56	55	62	54	52	52	52	53	51	58	60.6
Newton	Maximum	83	88	92	88	90	83	83	84	86	81	86	79	82	82	92	93	88	73	83	86	86	85	85	75	76	77	84	79	80	85	84	83.8
	Minimum	67	65	67	69	69	65	69	67	60	68	64	62	55	60	66	67	62	62	55	57	57	60	54	65	53	52	55	53	52	54	58	60.6
Phillipsburg	Maximum	90	92	94	90	92	85	89	85	90	84	92	83	90	91	96	94	90	79	88	88	89	91	89	81	79	82	86	82	84	87	87	87.7
	Minimum	70	70	68	71	72	71	71	71	65	63	70	65	56	62	..	....	...	....	....	...	...	....	....	....	...	55	58	66	59	56	61	64.5[k]
Sussex	Maximum	....	..	...	....	...		....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	..	....	....	....	....	...	....	....	....	....	......
	Minimum	....		....	.	...		....	...	....	....	....	...	....	....	...	..	...	...	...	....	....	....	....	....	..	....	....	....	....	....	....	......
The Red Sandstone Plain.																																	
Boonton§§	Maximum	88	89	94	87	93	81	86	85	87	83	89	78	85	87	93	95	87	78	85	89	87	87	86	77	79	78	84	82	81	87	84	85.5
	Minimum	66	70	68	68	71	67	72	69	63	61	64	64	57	59	65	74	70	69	61	56	57	57	65	66	58	51	53	58	54	53	55	62.3
Canoe Brook§§	Maximum	90	89	92	92	89	89	89	89	92	79	92	89	87	92	92	95	87	81	79	89	91	85	87	77	82	77	90	84	79	88	88	87.1
	Minimum	66	69	64	67	72	67	67	68	65	59	65	60	57	57	62	69	69	69	61	57	57	56	50	64	52	48	51	50	54	51	56	60.6
Elizabeth	Maximum	94	95	97	88	94	88	89	87	92	83	92	85	89	93	96	96	88	83	88	92	89	91	90	83	83	82	91	82	81	90	91	89.1
	Minimum	68	71	69	71	72	71	71	69	68	63	66	63	56	62	66	75	73	72	64	61	60	60	56	69	59	55	56	58	58	56	61	64.5
Flemington	Maximum	93	95	98	92	97	87	91	90	90	87	92	90	90	94	100	95	92	79	87	91	92	90	91	89	81	86	90	85	85	92	88	90.3
	Minimum	69	71	72	70	75	71	72	70	66	64	68	62	56	62	67	75	72	71	63	60	60	60	59	71	55	54	56	57	58	55	61	64.5
Jersey City	Maximum	92	93	95	89	94	87	87	85	89	83	91	89	87	91	97	95	91	80	86	90	86	88	89	86	79	79	88	87	79	86	82	87.7
	Minimum	73	73	75	75	76	74	74	72	69	67	68	67	64	69	73	80	76	74	66	65	67	68	66	73	61	60	64	63	59	61	67	69.0
Lambertville (near)	Maximum	89	90	92	87	91	85	86	86	87	84	85	88	86	88	93	93	87	83	83	87	86	87	85	82	79	80	87	82	79	87	85	86.1
	Minimum	69	70	72	70	69	70	69	68	68	63	63	60	62	70	69	72	69	61	61	76	68	73	73	64	63	67	73	52	57	56	55	66.2
Little Falls§§	Maximum	91	92	95	89	95	83	88	86	89	85	92	81	88	90	95	95	90	81	87	91	88	90	88	80	80	82	88	85	83	90	88	87.9
	Minimum	68	71	67	65	73	68	70	69	66	61	65	63	56	60	63	71	70	71	62	58	58	58	54	68	53	52	54	55	54	54	58	62.4
Newark	Maximum	92	92	95	88	94	86	89	87	90	82	90	82	87	90	95	94	87	82	85	87	85	88	87	79	78	80	88	80	79	87	85	86 8
	Minimum	71	72	71	72	73	72	72	68	69	66	68	65	59	64	68	76	74	70	67	62	64	62	60	71	62	58	60	61	59	58	65	66.4
New Brunswick	Maximum	89	90	91	91	89	84	85	85	85	82	88	85	85	92	94	91	88	83	84	85	85	86	86	82	75	78	85	77	77	87	83	85.4
	Minimum	70	71	70	72	72	70	71	69	70	66	67	64	57	63	67	75	74	70	63	62	60	60	59	71	55	55	58	60	59	57	60	65.1
Paterson	Maximum	93	93	96	90	94	85	90	87	90	86	94	87	88	92	96	95	88	81	87	90	89	89	88	83	81	80	89	83	82	88	87	88.4
	Minimum	74	75	76	80	74	69	70	69	69	64	66	65	60	64	68	77	73	70	63	62	62	63	62	71	59	58	58	59	60	58	63	66.5
Plainfield	Maximum	92	93	96	88	94	87	90	87	87	84	88	81	88	90	95	95	89	84	87	91	88	90	88	82	80	82	89	85	82	89	88	88.0
	Minimum	67	72	69	71	73	71	72	70	67	63	70	63	57	62	67	74	72	66	64	60	60	60	59	60	59	54	62	57	59	60	67	64.7
Ridgefield	Maximum	91	92	92	86	92	80	88	84	86	80	90	80	85	89	94	91	83	80	84	88	85	86	87	77	78	79	87	80	80	85	82	85.2
	Minimum	71	72	71	73	74	71	73	69	66	63	68	64	58	64	70	75	72	73	64	60	63	64	59	62	57	56	60	59	58	57	64	65.5
Somerville (near)	Maximum	90	90	93	86	92	83	87	85	87	83	87	78	84	88	94	93	87	80	85	88	86	88	87	80	81	80	87	83	80	87	86	86.0
	Minimum	72	70	70	70	73	70	70	70	65	62	66	60	56	62	66	73	71	67	60	61	60	62	56	64	55	54	59	56	57	54	60	63.6
New York, N. Y.	Maximum	88	90	93	85	93	82	84	84	86	81	88	78	85	87	93	91	82	84	83	87	84	85	85	76	76	77	85	81	78	85	80	84.4
	Minimum	72	72	74	73	74	72	72	69	68	66	67	66	63	71	71	78	73	68	66	67	70	67	66	64	60	61	64	66	65	63	67	68.2
The Southern Interior.																																	
Belleplain	Maximum	89	88	91	87	89	88	88	86	88	88	87	85	85	89	92	92	92	84	84	89	84	85	85	85	79	83	84	79	77	83	82	86.0
	Minimum	71	71	69	70	72	72	72	71	69	65	72	62	56	63	70	74	71	70	60	57	55	55	61	68	51	50	63	61	55	53	61	64.2
Bridgeton	Maximum	92	91	92	92	91	90	90	89	91	89	90	79	86	92	97	96	94	84	86	85	91	91	89	83	78	86	90	83	89	88	86	88.7
	Minimum	73	71	71	72	74	74	74	71	71	67	73	64	57	64	70	74	72	71	62	61	61	62	63	71	57	54	62	62	69	57	66	66.4
Burlington	Maximum	92	92	95	88	91	87	88	88	90	87	91	85	88	92	98	96	92	80	85	90	87	89	89	91	80	83	90	77	84	84	87	88.3
	Minimum	70	72	69	70	71	71	70	69	70	65	69	66	59	63	68	73	71	70	64	60	62	60	63	70	58	58	58	60	65	58	63	65.6
Clayton	Maximum	90	88	91	89	91	90	86	86	89	87	89	84	85	89	95	94	90	83	84	88	88	88	86	82	82	82	89	87	85	86	86	87.4
	Minimum	71	71	69	71	74	74	72	66	70	67	71	64	58	63	67	75	70	70	61	61	59	60	63	66	56	51	59	60	58	57	61	65.0
Freehold	Maximum	91	90	93	88	92	88	86	86	87	84	88	83	85	89	94	92	89	82	85	87	84	87	86	85	78	80	88	78	79	84	87	86.3
	Minimum	73	72	71	79	70	72	73	67	68	63	66	62	56	63	67	74	70	70	63	60	58	60	58	70	53	53	59	57	55	54	60	64.4
Hammonton	Maximum	87	89	93	87	91	89	87	87	88	85	89	86	85	90	95	92	89	83	85	90	84	89	87	84	81	88	89	83	87	86	87	87.5
	Minimum	69	70	70	69	71	71	71	68	67	64	69	60	55	63	69	72	69	69	60	58	56	59	59	67	52	49	57	53	52	55	61	63.0
Hightstown	Maximum	90	91	95	87	92	89	88	86	90	84	89	81	86	89	96	93	88	81	86	89	87	88	87	81	81	81	88	82	78	88	87	87.0
	Minimum	70	71	70	70	72	70	70	68	69	63	67	62	56	62	67	73	71	68	62	59	58	60	58	68	54	51	59	57	56	55	62	63.8
Indian Mills	Maximum	92	92	97	89	92	87	86	83	90	87	90	82	87	91	97	95	91	81	85	90	90	90	87	82	80	83	90	85	84	88	86	88.0
	Minimum	71	71	67	71	71	73	70	70	68	63	70	63	54	63	69	74	70	71	61	57	55	58	59	68	52	49	61	57	53	53	61	63.6
Lakewood	Maximum	93	91	95	86	90	89	82	85	90	82	90	85	87	91	96	92	87	82	86	87	87	90	88	82	81	80	89	80	79	86	86	86.9
	Minimum	70	73	70	70	71	72	71	70	70	64	68	63	56	63	69	75	71	73	66	60	55	57	59	69	55	50	60	58	54	54	59	64.4
Moorestown	Maximum	89	88	92	87	88	87	86	83	88	85	88	80	84	88	95	92	89	79	83	88	88	87	86	80	79	80	87	83	81	85	86	85.8
	Minimum	72	72	69	72	74	73	71	71	70	66	71	61	60	65	70	76	72	64	62	61	60	63	62	62	57	53	63	59	58	56	63	65.4
N. Merchantville	Maximum	92	92	94	91	89	89	88	86	90	86	90	85	88	91	96	94	91	81	88	90	89	89	86	81	80	81	88	86	85	87	87	88.1
	Minimum	[illegible]	72	72	73	75	74	71	70	70	67	71	67	61	65	71	77	73	71	64	63	62	65	65	72	61	56	64	61	60	59	65	67.4
Pemberton	Maximum	88	89	89	89	85	87	85	84	91	90	89	88	89	90	97	97	94	80	86	91	90	89	88	86	86	83	89	84	84	89	88	88.2
	Minimum	71	71	69	71	71	71	70	70	69	65	69	64	68	63	68	75	71	70	62	59	58	58	59	70	54	51	59	59	57	54	62	64.8
Pleasantville§§	Maximum	84	89	85	83	88	83	86	81	84	79	90	81	85	90	96	93	81	84	82	80	82	83	87	83	80	82	82	78	78	82	80	83.9
	Minimum	69	71	69	70	69	71	70	69	68	66	71	62	56	65	69	75	70	71	62	57	55	58	60	69	54	51	61	62	58	56	62	64.4
Runyon	Maximum	89	91	93	92	90	90	89	88	88	85	88	82	87	90	96	95	95	94	90	90	87	90	88	85	83	82	90	86	84	87	89	88.8
	Minimum	67	78	67	65	69	70	67	65	65	59	67	46	46	54	67	71	71	71	61	51	58	65	64	46	44	41	51	49	49	51	52	59.6
Trenton	Maximum	90	90	93	86	90	85	86	84	89	83	89	80	86	90	95	93	88	79	84	88	87	87	86	79	78	80	88	82	80	87	86	86.0
	Minimum	72	72	72	73	74	72	72	72	69	68	70	67	61	67	70	78	71	65	65	65	64	66	66	64	59	59	64	63	61	60	65	67.3
Trenton No. 2	Maximum	92	91	94	88	91	88	88	87	89	85	90	81	88	91	96	94	91	80	87	89	88	88	87	80	80	82	90	85	83	89	87	87.7
	Minimum	72	72	71	72	73	72	71	71	70	65	69	64	58	64	70	75	72	67	63	62	61	63	63	64	55	57	60	60	58	57	64	65.6
Tuckerton	Maximum	84	88	90	85	90	85	84	80	83	79	88	83	85	90	96	97	86	85	82	85	80	83	86	81	80	81	82	79	78	80	83	84.5
	Minimum	70	70	70	70	71	70	70	72	70	64	70	60	55	64	71	73	76	72	68	60	60	60	64	70	57	58	58	60	58	55	65	65.5
Philadelphia, Pa.	Maximum	89	90	94	87	87	87	84	83	90	86	87	81	85	89	94	95	88	81	87	89	87	88	86	81	79	79	87	83	82	87	86	86.4
	Minimum	73	73	76	75	76	75	70	73	73	72	73	69	67	71	74	80	73	68	65	69	68	68	71	68	64	63	67	68	65	66	67	70.3
The Sea Coast.																																	
Atlantic City	Maximum	77	84	83	80	85	78	76	77	79	78	90	83	85	87	90	95	80	84	80	83	81	81	88	84	81	81	80	76	76	78	80	81.9
	Minimum	67	70	71	71	70	69	68	68	68	70	72	66	63	70	74	72	72	69	65	67	69	70	69	66	60	60	70	67	64	62	71	68.1
Long Branch	Maximum	92	90	90	82	90	85	87	85	88	77	88	80	86	89	95	93	82	82	84	83	81	84	86	79	78	81	83	76	74	80	81	84.2
	Minimum	71	73	74	73	73	71	71	70	70	65	70	63	59	66	70	77	74	70	69	60	59	61	61	60	55	54	62	62	58	57	66	65.9
Sandy Hook	Maximum	88	88	91	81	88	85	84	83	87	77	84	79	84	88	93	91	83	80	82	84	81	84	85	78	77	80	85	76	75	81	80	83.3
	Minimum	73	74	74	74	75	71	71	68	69	70	71	68	65	70	73	76	72	71	69	68	69	68	68	67	64	64	67	67	66	65	68	69.5

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

1.05
NNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
F. H. TROLLE-STEENSTRUP.
TRENTON. N. J.

VOL. XLIII. SEPTEMBER, 1938. No. 9.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Although New Jersey escaped the full brunt of the hurricane of the 21st, it caused the loss of three lives and an estimated property loss of $2,000,000. Winds of gale force were experienced throughout the eastern portion of the State, where most of the damage occurred. Elsewhere, the wind damage was not serious, although the heavy rains accompanying and preceding the hurricane caused considerable flood loss in several localities in the southern part of the State, particularly in Trenton, where the overflow of the Assunpink Creek flooded several factories.

More rain fell during this month than any other September since the beginning of records in 1885. Most of the rainfall occurred during the period beginning on the 17th and ending on the 21st when an average for the State of 8.14 inches fell. It was well distributed throughout the State.

The average temperature was somewhat below normal, all stations reporting a deficiency.

R. O. S.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 63.6°, which was 2.3° below normal. The highest temperature was 95° at Canoe Brook on the 4th, and the lowest, 30°, at Charlotteburg on the 10th. The greatest daily range of temperature was 49° at Runyon on the 5th. The highest monthly mean temperature was 67.0° at Atlantic City and at Bridgeton, and the lowest, 59.5° at Charlotteburg.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +1.5°; Red Sandstone Plain, +1.7°; Southern Interior, +1.8°; Sea Coast, +2.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 9.67 inches, which was 6.11 inches above normal. The greatest monthly precipitation was 11.81 inches, at Long Branch, and the least, 6.29 inches at Newark. The greatest amount of precipitation in any 24 consecutive hours was 6.35 inches at Lakewood on the 21st.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, +10.56 inches; Red Sandstone Plain, +7.94 inches; Southern Interior, +8.07 inches; Sea Coast, +10.29 inches.

DATES OF MISCELLANEOUS PHENOMENA.

HAIL: 27.
HEAVY FROSTS: 26.
LIGHT FROSTS: 6, 9, 10, 22, 24, 25.
DENSE FOG: 1, 2, 14, 15, 18, 19, 24, 29.
THUNDERSTORMS: 1, 7, 11, 13, 15, 16, 17, 18, 19, 20, 21, 26, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p. m.	
Atlantic City	30.02	30.35	10	28.99	21	15.0	61	w.	21	81	72	78	52
Long Branch	30.01	30.38	6	28.73	21	11.3	60	nw.	21	83	59	70	56
Ridgefield	30.01	30.42	6	28.79	21	...	....	.....	....	....	....	....	....
Sandy Hook	30.01	30.38	6	28.71	21	13.7	56	n.	21	79	67	73	57
Trenton	30.02	30.37	6	29.07	21	8.2	37	nw.	21	83	60	72	56

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	......	......	......	......
1886	66.9	95	36	1.13	0	......	......	......	......
1887	61.6	90	30	3.66	0	7	......	......	......
1888	63.1	84	29	7.09	0	12	......	......	......
1889	64.8	90	34	8.36	0	14	......	......	......
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	**109**	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	**23**	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	**0.37**	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	**61.5**	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	**70.5**	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63.2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63.4	98	29	2.63	0	6	19	5	6
1938	63.6	95	30	**9.67**	0	13	12	7	11
Period	65.9	109	23	3.56	0	8	15	8	7

Climatological Data for September, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	60.2	−4.8	83	13	37	26	32	8.55	+4.81	3.60	0	12	14	6	10	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	59.5	−2.6	85	1†	30	10	42	8.43	+4.28	3.51	0	13	12	7	11	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	9.13	+5.11	3.50	0	11	....	....	...	......	L. S. Depue.
Dover	Morris	600	54	59.7	−2.7	80	4	36	26	33	8.92	+4.84	5.06	0	14	6	13	11	......	William C. Harris
Layton....(near)	Sussex	480	37	59.6	−3.0	84	15	31	26	35	9.64	+5.78	3.34	0	12	8	8	14	sw.	A. M. Depue.
Long Valley	Morris	660	7	60.6	......	82	4†	34	26	37	9.30	....	3.80	0	12	19	7	4	ne.	James E. Rice.
Newton	Sussex	769	55	60.1ᵃ	−3.7	87	4	38	10†	36	8.45	+4.69	3.05	0	13	12	6	12	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	62.9	−2.4	87	4	40	26	34	9.20	+5.71	2.85	0	13	13	6	11	......	Town Engineer.
Sussex	Sussex	450	43	......	......	......	......	......	......	....	8.19	+4.62	......	0	....	....	....	....	......	Thomas R. Trudgen.
Means and extremes	......	......	....	60.4	−3.2	87	4	30	10	42	8.87	+4.98	5.06	0	12	12	8	10	sw.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	60.6	−2.9	82	4†	37	10†	34	8.95	+5.10	3.88	0	13	14	1	15	ne.	John Kline.
Canoe Brook	Essex	180	8	62.5ᵇ	......	95	4	35	6	....	9.97	....	3.95	......	13	15	6	9	nw.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	10.80	+6.58	4.48	0	14	13	11	6	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	64.2	−2.7	92	1	40	26	37	9.19	+5.58	4.96	0	13	12	5	13	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§52	65.5	−1.0	89	4†	41	26	38	10.76	+7.12	3.66	0	11	16	7	7	n.	Hiram E. Deats
Jersey City	Hudson	81	40	65.9	−1.6	85	4†	46	10†	26	9.46	+6.06	5.16	0	14	12	8	10	n.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	62.4	−3.4	86	15	42	10†	33	9.42	+6.06	3.55	0	14	23	2	5	nw.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	62.7	−4.6	86	4†	39	26	37	9.22	+5.54	2.86	0	14	12	7	11	ne.	Passaic Valley Water Co
Newark	Essex	10	3	63.8	−2.9	85	15	44	10	30	6.29	+2.60	2.20	0	11	7	9	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	63.8	−2.0	85	15	41	10	32	10.28	+6.92	4.81	0	13	10	14	6	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	8.30	+4.22	3.61	.....	11	....	....	....	......	Hackensack Water Co
Paterson††	Passaic	95	68	63.5	−2.9	86	4	42	26	35	7.89	+4.28	2.20	0	13	13	7	10	ne.	E. Stanulis, Evening News
Plainfield	Union	120	50	64.4	−1.1	87	4†	41	10†	35	10.75	+6.72	3.60	0	13	12	8	10	n.	S. K .Pearson.
Ridgefield	Bergen	80	21	63.0	−1.9	85	15	41	26	31	8.47	+5.33	4.50	0	12	11	10	9	s.	George P. Kirsten.
Somerville(near)	Somerset	385	55	62.7	−3.4	85	4†	41	9†	32	9.03	+5.31	3.84	0	14	8	5	17	nw.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	8.56	+4.70	3.59	......	9	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	68	64.9	−1.9	82	4	52	22	23	8.77	+5.38	4.99	0	11	9	7	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	63.5	−2.5	95	4	35	6	38	9.30	+5.56	5.16	0	13	13	7	10	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	66.2	−0.1	88	15	38	10	34	8.54	+5.16	4.32	0	11	14	5	11	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	67.0	−1.4	89	15	41	22	33	9.99	+6.68	2.88	0	13	14	6	10	sw.	Bennett K. Matlack
Burlington	Burlington	12	§52	64.2	−3.5	84	1	43	26	29	10.36	+6.80	4.64	0	16	18	4	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	7.63	....	2.35	0	12	9	7	14	sw.	Central Airport, Inc.
Clayton	Gloucester	120	25	65.4	−1.6	87	15	41	26	35	11.02	+7.54	3.10	0	12	13	0	17	s.	Worthy Hitt.
Freehold	Monmouth	194	¶34	65.6ᵇ	......	......	......	......	......	....	9.95	+5.66	5.68	0	13	18	5	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	64.6	......	88	15	38	10†	38	10.63	+6.42	3.00	0	12	12	7	11	w.	J. G. Wilson.
Hightstown	Mercer	110	45	63.5	−3.2	85	4†	39	10	33	11.31	+8.10	4.35	0	14	12	7	11	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	64.4	−2.0	88	15	36	26	40	11.00	+7.51	4.26	0	17	8	12	10	sw.	Edward Entwistle.
Lakewood	Ocean	54	34	64.3	−0.7	87	4	39	26	36	11.79	+8.75	6.35	0	12	11	5	14	ne.	R. W. Holman.
Moorestown	Burlington	62	75	64.0	−2.3	85	4†	41	26	32	9.44	+5.91	3.45	0	15	11	4	15	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	10.04	+7.19	5.92	0	12	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	66.4	......	89	4	44	26	32	9.41	....	3.16	0	14	12	3	15	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	65.4	......	87	15†	41	10†	31	10.39	....	5.21	0	13	13	7	10	sw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	64.2	−2.1	85	4	42	10†	30	10.33	+7.36	3.89	......	12	20	3	7	ne.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	62.0	−2.7	86	1†	32	10†	49	9.39	+5.79	4.90	......	13	15	9	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	64.4	−2.5	86	4	46	26	28	9.04	+5.64	3.68	0	11	8	8	14	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	64.2	......	86	15	42	26	31	10.19	....	3.22	0	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	65.5	−1.2	85	4†	45	11	33	10.48	+7.22	5.16	0	12	13	7	10	ne.	John H. Brown.
Philadelphia, Pa.	......	26	67	66.3	−1.7	85	4	51	22	24	7.36	+4.21	3.94	0	15	8	8	14	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	64.8	−1.9	89	4†	32	10†	49	10.05	+6.78	6.35	0	13	13	6	11	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	67.0	+0.2	84	24	51	26	23	11.76	+9.11	6.27	0	14	7	11	12	n.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	64.1	−1.8	85	4	42	26	31	11.81	+8.62	4.54	0	15	7	10	13	ne.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	65.8	−1.7	83	4	53	30	19	11.15	+7.72	5.22	0	14	9	7	14	sw.	U. S. Weather Bureau.
Means and extremes	......	......	....	63.6	−1.1	85	4	42	26	31	11.57	+8.48	6.27	0	14	8	9	13	ne.	
For the State	......	......	....	63.6	−2.3	95	4	30	10	49	9.67	+6.11	6.35	0	13	12	7	11	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-11-3-38-900

Daily Precipitation for September, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	81	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	.06	.04	....	....	....	....	.55	....	....	....	....	....	.15	T.	.40	....	.06	.04	1.31	2.25	3.60	....	.07	....	....	....	.02	....	....	T.	....	8.55
Charlotteburg	Passaic	.61	....	....	.03	....	....	....	.06	....	....	....	....	.02	....	.60	.03	.18	.10	.58	2.36	3.51	.28	.07	....	....	....	....	....	....	....	....	8.43
Culvers Lake	Delaware	.78	....	....	.21	....	....	....	.03	....	....	....	....	.24	....	1.00	....	....	.20	.92	1.90	3.50	.30	....	....	....	....	....	....	....	.05	....	9.13
Dover	Passaic	.38	....	....	.07	....	....	.12	....	....	....	....	....	.10	.02	.28	....	.32	.14	4.50	.56	2.20	.06	....	....	....	....	.14	....	....	.03	....	8.92
Layton(near)	Delaware	.37	....	....	....	....	....	....	.06	....	....	....	....	.26	....	1.02	....	.10	.02	1.34	1.73	3.34	.02	1.11	....	....	....	....	....	....	.27	....	9.64
Long Valley	Raritan	.95	....	....	....	....	....	.06	.06	....	....	....	....	.12	....	.53	....	.05	.13	1.05	2.40	3.80	.05	.10	....	....	....	....	....	....	....	....	9.30
Newton	Delaware	.65	....	.12	....	....	....	....	.15	....	....	....	....	.11	....	1.20	T.	.17	.10	.60	2.12	3.05	.03	.10	T.	....	....	T.	....	....	.05	....	8.45
Phillipsburg	....do	.53	....	....	T.	....	....	.13	T.	....	....	....	T.	.38	.04	.30	....	.02	.07	1.79	2.85	2.49	....	.08	....	....	....	.45	....	T.	.07	....	9.20
Sussex	Hudson	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8.19
The Red Sandstone Plain.																																	
Boonton||||	Passaic	.59	....	....	....	....	....	....	.12	....	....	....	....	.01	.04	.29	T.	....	.10	.15	3.88	1.21	2.34	.03	T.	....	....	....	.18	....	.01	....	8.95
Canoe Brook||||	....do	.28	....	....	....	....	....	....	.02	....	....	....	....	.12	....	.11	.02	....	.15	.20	3.95	1.82	2.97	.03	....	....	....	....	.28	....	.02	....	9.97
Chatham||||	....do	.29	....	....	....	....	....	....	.05	....	....	....	....	.03	.11	.16	.02	....	.18	.24	4.48	1.42	3.41	.07	....	....	....	....	.32	....	.02	....	10.80
Elizabeth	Coast	.36	....	....	....	....	....	.05	.01	....	....	....	....	.09	T.	.13	.20	.05	.10	1.53	1.65	4.96	T.	.03	....	....	....	.03	....	....	T.	....	9.19
Flemington	Raritan	.35	....	....	....	....	....	T.	.32	....	....	....	....	.40	T.	.08	....	.14	.08	2.68	2.34	3.66	....	.02	....	....	....	.69	....	....	T.	....	10.76
Jersey City	Coast	.38	....	....	....	....	....	T.	.02	....	....	....	T.	.17	....	.24	.18	.02	.34	.42	2.13	5.16	.03	.01	....	....	....	T.	.30	....	.06	....	9.46
Lambertville(nr.)	Delaware	.44	....	....	....	....	....	.09	.02	....	....	....	....	.09	....	.05	.60	.25	.70	2.65	.85	3.55	.02	.08	....	....	....	.08	....	....	....	....	9.42
Little Falls.||||	Passaic	.30	....	....	....	....	....	....	.10	....	....	....	....	.09	.01	.29	.52	....	.18	.28	2.86	1.68	2.53	.03	....	....	....	....	.33	....	.02	....	9.22
Newark***	Coast	T.	....	....	T.	....	....	.05	T.	....	....	....	T.	.13	T.	.32	....	.21	.24	1.14	1.85	2.20	T.	.03	....	....	....	.09	....	T.	.03	....	6.29
New Brunswick	Raritan	.35	....	....	....	....	....	T.	.18	....	....	....	....	.12	....	.07	.12	.25	.10	1.82	2.18	4.81	....	.04	....	....	....	....	.08	....	.16	....	10.28
New Milford**	Hackensack	.35	....	....	....	....	....	.06	....	....	....	....	....	.05	....	.76	....	.09	.22	1.13	1.96	3.61	....	.04	....	....	....	....	....	....	.03	....	8.30
Paterson	Passaic	.31	....	....	....	....	....	.11	.03	....	.12	.07	T.	.21	T.	1.01	....	.42	.24	1.24	1.85	2.20	T.	....	....	....	....	....	....	....	.08	....	7.89
Plainfield	Raritan	.43	....	....	....	....	....	*	.06	....	....	....	....	.14	....	.24	....	.20	.40	2.10	3.47	3.60	....	.03	....	....	....	.07	....	....	.01	....	10.75
Ridgefield**	Hackensack	.29	....	....	....	....	....	.06	....	....	....	....	....	.21	T.	.15	T.	.14	.39	1.02	1.56	4.50	....	.02	....	....	....	.07	....	....	.06	....	8.47
Somerville(near)	Raritan	.53	....	....	....	....	....	....	.07	....	....	....	....	.12	.01	.11	.31	.14	.08	1.53	2.06	3.84	.04	.05	....	....	....	.14	....	....	....	....	9.03
Woodcliff Lake**	Hackensack	.13	....	....	....	....	....	.04	....	....	....	....	....	....	....	.65	....	.09	.29	1.61	2.12	3.59	....	.04	....	....	....	....	....	....	....	....	8.56
New York, N. Y***	Coast	.03	....	....	....	....	....	.02	T.	....	....	...	T.	.13	T.	.66	T.	.12	.39	1.80	1.73	3.71	....	T.	....	....	....	.10	....	T.	.08	....	8.77
The Southern Interior.																																	
Belleplain	Tuckahoe	.50	....	....	.16	....	....	....	.28	....	....	....	....	....	....	.05	....	.15	.22	.82	1.77	4.32	.04	T.	....	....	....	....	T.	...	.23	....	8.54
Bridgeton	Delaware	.57	....	.48	....	....	....	....	.17	....	....	....	....	....	....	.03	.03	.49	.21	1.78	2.83	2.88	....	....	....	....	....	....	.05	.32	.15	....	9.99
Burlington	Delaware	.61	....	....	.04	....	....	.01	.06	....	....	....	....	.06	....	.40	.01	.18	.17	2.18	1.76	4.64	....	.04	....	....	....	.10	....	.01	.09	....	10.36
Camden**	....do	....	....	T.	....	....	....	.08	....	....	....	T.	.03	.04	T.	T.	T.	.31	.14	2.35	2.15	2.14	....	.05	....	....	....	.32	....	.01	.01	....	7.63
Clayton	....do	.85	....	....	.91	....	....	....	.07	....	....	....	....	.06	....	.05	....	....	.22	1.80	2.23	3.10	....	....	....	....	....	....	.63	.20	.90	....	11.02
Freehold	Raritan	.34	....	....	.02	....	....	....	.05	....	....	....	....	.15	....	.44	....	.19	.28	1.38	.90	5.68	....	.03	....	....	....	.19	....	....	.30	....	9.95
Hammonton	Mullica	.41	....	....	.78	....	....	....	.04	....	....	.02	....	....	....	.08	.11	....	.05	1.80	3.00	2.88	....	....	....	....	....	....	.42	....	1.04	....	10.63
Hightstown	Raritan	.53	....	....	T	....	....	T.	.07	....	....	....	....	.26	....	.40	.22	.22	.10	1.73	2.92	4.35	....	.03	....	....	....	.26	.01	....	.21	....	11.31
Indian Mills	Mullica	.58	....	T	.25	....	....	.02	.03	....	....	.01	....	.09	T.	.01	T.	.20	.10	1.63	2.37	4.26	....	.02	....	....	....	.25	.01	.93	.24	....	11.00
Lakewood	Metedeconk	.28	....	....	.05	....	....	....	.15	....	....	....	....	.17	....	.05	T.	.17	.12	1.90	1.75	6.35	....	.04	....	....	....	....	T	T.	.76	....	11.79
Moorestown||||	Delaware	.70	....	....	.01	....	....	....	.06	....	....	....	.01	.04	....	.19	.03	....	.26	.27	3.45	1.42	2.60	.02	....	....	....	....	.16	....	.22	....	9.44
Northfield	Coast	.46	..	....	.04	....	....	....	.07	....	....	.02	....	T.	....	.04	....	.28	.20	.84	1.66	5.92	....	....	....	....	....	....	.26	....	.25	....	10.04
N. Merchantville	Delaware	.80	....	....	T.	....	....	T.	.08	....	....	.02	T.	.05	T.	.32	T.	.35	.05	1.66	2.53	3.16	....	.05	....	....	....	.06	.12	T.	.16	....	9.41
Pemberton	Delaware	.45	....	....	....	....	....	....	.04	....	....	....	....	.09	....	.06	....	.08	.11	1.91	2.01	5.21	....	.04	....	....	....	....	.04	.10	.25	....	10.39
Pleasantville||||	Coast	.47	....	....	.13	....	....	....	.04	....	....	....	....	.01	T.	.06	....	....	.38	.29	1.24	3.89	2.85	T.	....	....	....	....	.75	....	.22	....	10.33
Runyon	Coast	.47	....	....	....	....	....	....	.14	....	....	....	....	.15	....	.16	.29	.11	.25	1.21	1.41	4.90	....	.04	....	....	....	....	.11	....	.15	....	9.39
Trenton***	Delaware	.02	....	T.	....	....	....	.28	....	....	....	....	....	.02	T.	.54	T.	.34	.38	2.46	2.27	2.67	....	.01	....	....	....	T.	....	T.	.05	....	9.04
Trenton No. 2**	....do	....	....	T	....	....	....	.22	....	....	....	....	....	.04	T.	.31	T.	.40	.38	2.54	3.01	3.22	....	.01	....	....	....	T.	....	....	.06	....	10.19
Tuckerton	Coast	.04	....	....	....	....	....	....	.02	....	....	....	....	.04	...	.02	.01	.33	.41	.92	2.96	5.16	....	....	....	....	....	....	.11	....	.46	....	10.48
Phila., Pa***	Delaware	.01	....	.03	....	....	....	.07	....	....	....	T	T	.01	.01	.15	T.	.27	.17	1.95	3.04	1.14	....	.02	....	....	....	.30	....	.15	.03	....	7.35
The Sea Coast.																																	
Atlantic City***	Coast	.42	....	.01	.16	....	....	.06	.01	....	....	T.	....	T.	.07	.03	....	.79	.22	1.31	3.22	4.50	....	T.	....	....	....	.48	....	T	.48	....	11.76
Long Branch**	....do	.16	....	.06	....	....	....	.07	....	....	....	....	....	.24	.03	.02	T.	.16	2.91	.37	2.38	4.54	....	.01	....	....	....	.08	....	.15	.63	....	11.81
Sandy Hook***	....do	.03	....	....	....	....	....	.21	....	....	....	....	....	.17	.02	.89	T	.13	2.56	.73	2.24	3.85	....	.03	....	....	....	.01	....	.06	.22	....	11.15

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. \|\| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.160	.160	.096	.224	.192	.160	.100	.192	.096	.160	.128	.024	.160	.046	.116	*	*	.126	***	.028	***	.142	.064	.160	.112	.128	.072	.128	.084	.064	....	3.122
	Wind movement	13	7	17	21	11	8	19	12	3	11	15	20	8	26	12	7	13	8	7	15	40	22	18	22	3	6	9	4	4	3	....	384
Pleasantville**	Evaporation	.224	.160	034	.304	.288	.128	.088	.176	.192	.160	160	.170	.096	.076	.096	*	*	*	.118	....	.002	.144	.144	.096	.224	.208	.078	.096	*	.056	....	3.639
	Wind movement	26	41	33	72	44	38	100	60	6	95	41	78	40	74	56	57	48	27	42	50	126	51	43	50	39	51	66	39	71	94	....	1658
Runyon	Evaporation	.170	.150	.150	.150	.200	.200	.200	.140	.180	.160	.150	.150	.150	.150	.160	.090	.110	.250	.210	.090	....	.120	.100	.180	.180	.120	.120	.110	.120	.150	....	4.583
	Wind movement	40	23	22	27	22	23	22	36	16	20	23	18	15	21	23	23	23	12	11	8	135	14	17	17	11	17	25	12	12	51	...	739

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for September, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	75	67	75	82	78	72	73	70	65	68	67	68	83	72	79	72	65	64	66	66	61	64	76	74	68	64	67	68	69	61	....	70.0
	Minimum	60	54	59	60	56	40	50	51	41	40	47	57	64	54	64	42	45	56	61	58	50	42	49	45	43	37	50	41	45	47	....	50.8
Charlotteburg	Maximum	85	85	73	81	82	72	73	71	66	69	71	68	78	78	82	82	65	61	67	68	57	65	68	80	80	71	73	72	71	60	....	72.6
	Minimum	64	57	41	51	54	32	39	49	48	30	38	39	62	49	61	57	40	56	68	53	54	40	42	41	38	38	41	39	42	42	....	46.5
Dover	Maximum	75	70	71	80	71	70	73	68	63	66	69	67	75	75	79	72	65	61	63	68	63	63	67	79	61	68	73	69	68	60	....	69.1
	Minimum	60	55	47	59	56	40	46	52	42	38	45	45	62	52	61	56	45	58	60	61	55	50	50	46	43	36	47	43	49	49	....	50.3
Layton (near)	Maximum	76	73	75	80	78	75	72	76	69	71	72	70	80	75	84	70	62	58	69	66	58	63	72	81	70	71	74	72	69	59	....	71.6
	Minimum	59	51	45	60	51	34	44	48	38	37	43	46	64	52	65	55	41	53	61	58	52	42	46	46	36	31	46	38	42	47	....	47.7
Long Valley	Maximum	76	79	77	82	70	73	72	65	66	72	80	70	76	81	82	70	69	66	72	74	54	66	70	80	67	72	76	72	70	54	....	71.8
	Minimum	64	53	45	58	55	38	53	51	41	36	44	46	62	54	62	59	45	56	62	59	50	41	48	43	41	34	45	42	46	46	....	49.3
Newton	Maximum	75	71	74	87	....	75	70	73	66	70	73	69	78	78	83	69	67	62	68	67	59	63	71	82	68	71	72	72	69	58	....	71.0[a]
	Minimum	64	52	49	59	....	39	39	49	40	38	46	48	63	53	62	51	53	55	55	55	50	43	48	50	41	38	51	43	49	45	....	49.2[a]
Phillipsburg	Maximum	79	75	76	87	79	76	75	72	69	70	71	71	80	77	86	71	65	64	69	66	61	65	79	83	72	74	79	73	70	68	....	73.1
	Minimum	61	57	51	62	57	46	53	56	45	41	52	53	60	55	66	53	50	60	64	60	53	46	53	49	46	40	52	44	48	49	....	52.7
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
The Red Sandstone Plain.																																	
Boonton§§	Maximum	79	76	75	82	74	74	76	69	68	70	73	70	79	79	82	70	66	66	70	69	61	65	70	80	71	71	75	72	72	56	....	72.0
	Minimum	61	57	47	49	59	41	44	51	44	37	40	45	50	53	54	62	46	46	59	61	57	46	48	46	43	37	47	43	47	52	....	49.1
Canoe Brook§§	Maximum	92	80	84	95	81	84	87	71	69	....	....	....	....	....	....	....	....	66	69	71	65	67	71	82	70	73	77	74	73	84	....	76.6[b]
	Minimum	63	52	43	55	51	35	47	53	36	38	42	44	48	49	62	60	43	68	60	62	56	46	46	44	40	38	48	38	44	51	....	48.4
Elizabeth	Maximum	92	79	77	90	80	76	83	76	73	73	74	73	85	78	88	77	68	64	71	74	65	70	74	85	73	76	79	75	74	69	....	76.4
	Minimum	67	55	51	57	56	42	48	56	48	41	48	49	64	55	65	61	50	69	62	62	63	43	48	48	41	40	49	42	47	50	....	61.9
Flemington	Maximum	87	77	80	89	82	81	81	75	74	76	75	72	82	81	89	83	68	65	69	70	68	70	80	87	80	79	82	80	73	66	....	77.4
	Minimum	68	58	50	61	58	46	52	57	46	42	49	49	65	67	65	63	52	60	63	62	54	45	51	49	46	41	49	45	50	54	....	53.6
Jersey City	Maximum	81	76	73	85	85	74	80	76	69	69	70	71	82	82	84	80	68	64	72	70	68	68	71	83	82	70	79	72	74	69	....	74.9
	Minimum	69	59	56	65	62	50	59	65	48	46	52	53	66	60	65	65	53	59	62	63	54	51	54	67	59	46	57	53	57	53	....	56.9
Lambertville (near)	Maximum	82	83	82	80	78	75	78	70	71	69	73	78	80	71	86	72	66	70	70	64	60	66	78	81	76	73	79	73	72	74	....	74.3
	Minimum	56	55	50	49	49	47	53	55	46	42	48	51	54	58	61	53	49	56	56	52	49	44	51	51	44	42	46	49	50	48	....	50.4
Little Falls§§	Maximum	81	78	77	86	77	78	78	71	70	75	75	72	85	79	86	74	66	66	71	70	60	68	74	83	73	75	78	75	71	59	....	74.4
	Minimum	64	57	48	58	55	41	47	53	43	40	46	46	57	51	63	61	48	56	58	61	57	47	51	48	45	39	50	43	48	49	....	51.0
Newark	Maximum	82	73	75	85	75	74	80	71	68	69	71	71	81	76	85	73	65	64	71	70	63	67	71	83	70	71	78	71	72	62	....	72.9
	Minimum	63	58	54	62	58	48	56	55	48	44	51	62	66	59	68	56	52	60	64	62	52	47	53	53	48	46	54	50	52	50	....	54.7
New Brunswick	Maximum	81	74	73	83	83	73	79	76	65	71	73	71	80	72	85	79	69	64	71	70	65	66	72	82	78	72	77	73	70	68	....	73.7
	Minimum	68	59	51	59	60	47	50	58	47	41	49	50	65	59	65	60	51	60	63	62	54	47	52	52	46	42	52	46	50	50	....	53.8
Paterson	Maximum	81	75	74	86	82	77	78	72	71	80	76	70	82	79	84	75	72	71	69	68	71	71	72	83	72	73	75	77	72	62	....	75.0
	Minimum	68	58	52	48	47	47	52	55	47	49	48	49	66	58	64	51	54	50	49	49	51	65	47	51	55	42	47	48	52	51	....	52.0
Plainfield	Maximum	82	75	77	87	85	77	80	78	70	74	72	74	84	74	87	79	68	66	72	70	69	72	72	84	76	76	79	76	75	70	....	76.0
	Minimum	67	58	51	60	57	44	49	56	44	41	48	48	64	58	60	61	51	60	61	63	56	50	60	52	44	41	49	44	46	50	....	52.8
Ridgefield	Maximum	79	74	75	84	76	74	78	67	69	70	73	71	81	76	85	72	63	69	71	68	62	68	71	82	70	72	78	73	72	60	....	72.8
	Minimum	62	57	52	61	59	46	52	54	46	43	49	49	66	66	65	53	51	58	63	62	60	48	53	51	42	41	54	48	52	50	....	53.1
Somerville (near)	Maximum	80	75	75	85	78	74	79	72	70	70	74	71	81	79	85	75	65	64	69	70	63	72	73	81	72	73	78	74	72	59	....	73.6
	Minimum	63	56	51	60	54	42	50	50	41	41	47	47	64	57	64	56	48	58	62	60	52	44	51	54	42	41	51	45	52	50	....	51.8
New York, N. Y.	Maximum	79	72	72	82	74	72	77	69	67	68	68	70	79	75	82	72	66	69	71	69	64	65	70	80	69	71	75	73	72	64	....	71.9
	Minimum	66	59	61	64	59	56	58	54	53	53	59	60	66	63	67	58	55	60	63	61	53	52	53	57	49	56	57	54	58	52	....	57.9
The Southern Interior.																																	
Belleplain	Maximum	83	80	76	85	82	75	81	78	68	69	71	78	82	82	88	83	80	73	79	73	70	67	79	84	81	73	80	76	70	64	....	77.1
	Minimum	67	56	49	65	62	53	52	61	47	38	52	48	67	55	70	64	54	63	69	62	53	45	53	62	48	39	53	50	57	63	....	55.2
Bridgeton	Maximum	84	77	80	87	79	78	87	75	75	75	72	79	83	87	89	87	68	78	73	71	67	72	79	84	81	76	84	73	70	60	....	77.7
	Minimum	67	60	53	63	63	54	56	61	60	42	53	54	66	59	68	62	53	62	68	61	52	41	58	52	49	43	55	52	58	50	....	56.2
Burlington	Maximum	84	77	78	80	80	70	74	74	65	72	65	71	75	75	80	79	67	67	74	71	66	65	73	82	79	68	70	71	72	63	....	72.9
	Minimum	68	59	50	59	59	52	53	59	49	46	53	49	65	55	67	62	52	61	64	62	54	49	53	53	59	43	51	52	55	53	....	55.5
Clayton	Maximum	82	76	79	85	80	76	82	78	76	73	69	75	80	83	87	81	69	75	73	71	67	69	76	83	80	74	80	75	69	66	....	76.3
	Minimum	67	59	50	60	62	50	63	59	46	43	42	51	65	57	70	63	62	61	69	62	52	43	49	52	47	41	45	48	58	55	....	54.5
Freehold	Maximum	79	72	76	85	80	76	82	76	69	70	73	74	80	77	84	80	69	70	77	71	....	....	....	....	....	....	....	74	70	64	....	75.1[g]
	Minimum	66	57	52	59	60	45	56	58	48	39	48	48	64	57	65	60	61	60	60	61	....	....	....	....	....	....	....	....	54	53	....	56.0[h]
Hammonton	Maximum	84	80	79	85	79	75	83	78	71	71	68	74	81	83	88	83	68	73	75	72	65	69	78	84	77	76	81	76	68	60	....	76.1
	Minimum	65	54	46	60	60	49	50	58	44	38	48	46	64	53	68	60	50	55	60	60	52	44	49	72	44	38	50	46	56	51	....	53.0
Hightstown	Maximum	79	75	79	85	78	75	82	76	68	70	75	75	82	77	85	80	64	66	73	70	63	66	76	82	75	73	78	73	70	64	....	74.5
	Minimum	66	57	49	58	58	46	49	57	45	39	46	46	64	55	66	61	49	59	63	61	52	46	51	52	44	40	52	45	60	50	....	52.5
Indian Mills	Maximum	81	74	78	85	79	77	81	76	71	72	73	77	81	82	88	77	67	71	74	71	66	68	77	84	72	76	81	76	66	59	....	76.3
	Minimum	67	54	46	61	61	49	50	59	45	38	52	46	66	53	69	63	52	62	68	62	52	45	50	51	44	36	51	44	54	52	....	53.4
Lakewood	Maximum	80	76	76	87	80	73	83	78	69	71	75	76	80	78	85	82	68	67	75	71	66	70	73	83	74	74	81	74	69	63	....	75.2
	Minimum	67	57	47	60	53	49	47	61	48	40	47	46	66	56	67	63	52	63	67	68	56	45	49	52	45	39	51	44	51	52	....	53.4
Moorestown	Maximum	79	73	77	85	78	75	85	71	68	70	72	74	82	81	85	73	65	70	73	70	61	66	77	83	69	73	80	73	69	60	....	73.9
	Minimum	68	57	51	50	62	52	55	50	46	43	52	50	57	55	69	64	52	61	64	61	50	48	53	55	44	41	52	47	54	50	....	64.1
N. Merchantville	Maximum	80	75	79	89	85	79	82	77	71	74	75	75	83	83	88	81	66	71	73	72	65	69	79	85	79	76	82	76	70	61	....	76.7
	Minimum	68	60	54	62	63	53	57	59	50	46	54	54	66	58	69	59	58	61	66	62	53	48	54	55	49	44	52	50	56	52	....	56.2
Pemberton	Maximum	83	77	79	86	78	78	83	78	70	69	72	74	82	79	87	87	73	68	76	71	67	67	77	83	73	68	80	79	69	61	....	75.8
	Minimum	68	58	49	61	60	52	53	60	48	41	52	50	66	56	68	64	54	60	67	62	53	47	52	52	48	41	52	48	54	58	....	55.0
Pleasantville§§	Maximum	83	47	75	85	78	72	77	70	66	70	77	76	82	77	84	70	71	72	74	69	60	68	77	83	68	72	74	71	69	59	....	73.4
	Minimum	67	57	48	59	63	51	51	61	48	42	50	47	58	55	66	65	54	54	67	64	58	47	54	53	48	42	53	51	68	58	....	55.0
Runyon	Maximum	86	78	86	85	84	85	85	76	74	72	74	75	74	82	81	77	72	75	74	71	66	74	75	83	76	77	74	75	74	69	....	77.0
	Minimum	56	49	43	44	35	38	40	53	40	32	40	40	60	60	56	50	58	50	49	60	52	52	55	42	39	32	38	40	50	49	....	47.0
Trenton	Maximum	80	74	77	86	76	75	80	70	67	69	73	74	80	78	85	72	64	66	73	69	61	66	77	83	69	73	79	72	71	61	....	73.4
	Minimum	64	59	56	62	58	52	57	56	49	47	53	52	62	60	70	55	53	60	64	61	52	49	64	55	48	46	54	52	54	50	....	55.5
Trenton No. 2	Maximum	81	75	80	86	78	76	82	74	71	71	75	76	82	83	86	74	64	67	73	71	63	68	78	83	70	73	79	75	72	61	....	74.9
	Minimum	62	58	52	61	55	49	53	54	46	43	50	50	65	67	67	55	51	61	64	61	52	47	52	52	46	42	52	40	51	51	....	53.6
Tuckerton	Maximum	83	78	75	85	80	72	80	74	68	74	72	76	80	79	84	76	70	72	75	70	70	70	78	85	79	72	74	70	70	65	....	75.2
	Minimum	68	58	50	65	60	50	52	67	48	48	45	54	65	61	65	60	53	63	68	58	55	54	55	55	46	46	52	47	56	50	....	65.8
Philadelphia, Pa.	Maximum	79	73	76	86	79	75	80	73	68	71	70	74	82	78	84	75	65	69	71	70	60	65	78	83	72	73	79	73	70	61	....	73.7
	Minimum	69	63	60	64	62	57	61	60	53	53	57	60	66	63	72	58	56	62	65	60	53	51	54	59	52	51	56	57	60	53	....	68.9
The Sea Coast.																																	
Atlantic City	Maximum	83	72	74	79	75	71	76	72	64	68	70	76	79	76	78	72	68	72	73	72	64	69	78	84	65	70	72	69	67	64	....	72.4
	Minimum	67	63	65	68	65	59	65	59	55	54	66	65	68	64	71	61	59	66	69	63	55	55	60	61	54	51	64	57	64	54	....	61.6
Long Branch	Maximum	80	70	74	85	75	69	80	69	64	66	71	72	80	72	85	72	65	70	77	68	65	69	72	83	69	68	80	68	68	61	....	72.2
	Minimum	63	56	52	64	58	52	50	60	47	44	53	50	66	62	69	62	58	62	68	65	53	54	53	54	48	42	56	52	54	53	....	56.0
Sandy Hook	Maximum	78	72	72	83	75	68	80	69	65	66	71	70	80	70	82	72	64	69	76	68	65	66	70	79	69	67	77	68	68	62	....	71.4
	Minimum	68	63	62	64	63	58	63	61	54	57	59	60	67	65	68	61	59	62	66	63	56	58	55	60	54	55	58	58	59	58	....	60.1

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

7.05
NNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLIII. OCTOBER, 1938. No. 10.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The month was warm and dry as a whole. The first decade was about normal as to temperature but the rest of the month was warmer, especially around the 17th, upon which day all stations reported their maxima for the month (with the single exception of Clayton, on the 19th). It was somewhat cooler again near the end of the month. Most of the minima occurred on the 8th, but a few occurred near the end of the month.

Rainfall was reported at a few stations on the 1st and at most stations on the 6th and 7th and again at all stations on several days following the 20th. During the intervening period the amount was negligible, except in the Southern Interior where some rain fell during the period of the 13th to the 16th. The various sections received the following percentages of the normal amount of precipitation: Highlands, 69%; Red Sandstone Plain, 52%; Southern Interior, 82%; Sea Coast, 70%.

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TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 56.2°, which was 1.5° above normal. The highest temperature was 93° at Flemington on the 17th, and the lowest, 24°, at Sussex, Charlotteburg and Canoe Brook on the 2d and 8th. The greatest daily range of temperature was 45° at Layton and Canoe Brook on the 11th and 17th. The highest monthly mean was 59.4° at Jersey City, and the lowest, 52.3° at Charlotteburg.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +1.5°; Red Sandstone Plain, +1.8°; Southern Interior, +1.7°; Sea Coast, +2.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 47 stations, was 2.47 inches, which was 0.94 inch below normal. The greatest monthly precipitation was 3.52 inches, at Indian Mills, and the least, 1.72 inches at New Milford. The greatest amount of precipitation in any 24 consecutive hours was 1.43 inches at Pleasantville on the 29th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, +9.40 inches; Red Sandstone Plain, +6.11 inches; Southern Interior, +7.46 inches; Sea Coast, +9.14 inches.

DATES OF MISCELLANEOUS PHENOMENA.

KILLING FROSTS: 2, 3, 4, 8, 27, 31.

DENSE FOG: 13, 14, 15, 16, 17, 19, 20, 24.

THUNDERSTORMS: 14, 20, 21, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.09	30.40	11	29.51	20	16.2	50	ne.	28	84	66	76	63
Long Branch	30.10	30.41	3	29.49	20	10.6	43	ue.	28	81	58	67	70
Ridgefield	30.08	30.42	3	29.54	24	.....	....	.....	....	....	....	....	....
Sandy Hook	30.07	30.39	3	29.51	20	13.8	53	nw.	10	80	60	73	70
Trenton	30.09	30.41	3	29.55	20	8.1	23	ne.	28	83	56	66	69

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	......
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	**95**	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	**59.9**	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	**8.92**	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	**11**	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	**0.31**	0	1	23	6	2
1925	**49.1**	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	53.2	84	15	5.27	T.	10	12	7	12
1938	56.2	93	24	2.47	**0**	7	19	5	7
Period	54.7	95	11	3.41	0	8	15	8	8

Climatological Data for October, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	53.6[a]	+1.5	86	17	27	8	40	3.13	−0.69	1.00	0	7	22	2	7	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	52.3	+1.0	85	17	24	8	44	2.86	−1.55	0.92	0	8	15	4	12	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	2.52	−1.09	0.92	0	6	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	53.3	+1.9	83	17	31	8	35	1.99	−2.15	0.78	0	7	9	13	9	......	William C. Harris
Layton....(near)	Sussex	480	37	52.6	+1.5	87	17	26	31	45	2.27	−1.48	0.93	0	6	17	6	8	sw.	A. M. Depue.
Long Valley	Morris	660	7	53.8	......	84	17	30	5†	38	2.06	......	0.73	0	7	25	3	3	n.	James E. Rice.
Newton	Sussex	769	55	53.8[f]	+1.0	88	17	......	......	....	3.12	−0.53	1.09	0	8	15	9	7	nw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	55.0	+1.3	86	17	32	8	37	2.81	−0.79	0.95	0	4	20	7	4	......	Town Engineer.
Sussex	Sussex	450	43	54.4	+1.5	89	17	24	2	43	2.34	−1.02	0.99	0	9	23	4	4	......	Thomas R. Trudgen.
Means and extremes	......	......	....	53.6	+1.4	89	17	24	2†	45	2.57	−1.16	1.09	0	7	18	6	7	w.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	55.0	+3.0	87	17	32	5†	39	2.28	−1.63	0.69	......	8	22	0	9	ne.	John Kline.
Canoe Brook	Essex	180	8	53.4	......	89	17	24	8	45	2.04	......	0.66	......	7	22	2	7	sw.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	2.06	−2.05	0.66	......	8	19	8	4	......	Paul Molitor, Sr.
Elizabeth	Union	34	59	57.2	+1.9	92	17	30	8	43	1.83	−2.12	0.66	0	7	21	1	9	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§52	57.9	+2.3	93	17	34	26	42	2.39	−1.12	0.87	0	8	23	4	4	nw.	Hiram E. Deats
Jersey City	Hudson	81	40	59.4	+3.2	88	17	38	8	31	1.76	−2.34	0.65	0	6	17	8	6	n.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	58.0	+3.8	88	17	34	8	34	2.47	−1.08	......	0	....	23	4	4	ne.	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	56.3	+3.1	92	17	30	8	44	1.98	−2.61	0.67	0	10	18	6	7	ne.	Passaic Valley Water Co
Newark	Essex	10	3	57.4	+1.7	90	17	37	8	36	1.77	−2.59	0.64	0	6	17	6	8	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	56.2	+1.5	87	17	31	8	38	2.30	−1.52	0.96	0	8	20	6	5	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	1.72	−1.16	0.56	......	7	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	57.4	+2.2	89	17	36	8	36	1.85	−2.26	0.63	0	9	18	7	6	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	56.6	+2.8	90	17	34	26	40	2.03	−2.05	0.81	0	8	18	7	6	n.	S. K. Pearson.
Ridgefield	Bergen	80	21	56.6	+3.6	89	17	34	8	37	1.86	−2.37	0.64	0	7	15	11	5	n.	George P. Kirsten.
Somerville (near)	Somerset	385	55	56.2	+2.1	88	17	32	8	35	2.17	−1.41	0.88	0	9	15	4	12	w	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	1.74	−1.11	0.76	......	6	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	68	58.6	+2.3	87	17	40	8	28	1.63	−1.90	0.67	0	6	16	9	6	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	56.7	+2.6	93	17	24	8	45	2.02	−1.83	0.96	0	8	19	5	7	ne.	
The Southern Interior.																				
Belleplain	Cape May	49	44	56.3	+0.8	86	17	31	8	40	3.21	+0.31	1.02	0	7	20	5	6	ne.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	57.6	+0.4	87	17	37	5†	37	1.73	−1.73	1.08	0	4	25	3	3	nw.	Bennett K. Matlack
Burlington	Burlington	12	§52	55.6	−1.3	77	17†	34	8†	37	2.64	−0.85	0.90	0	9	21	3	7	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	2.47	......	0.82	0	5	20	1	10	ne.	Central Airport, Inc.
Clayton	Gloucester	120	25	56.2	−0.4	79	19†	35	5†	36	2.79	−0.37	0.76	0	8	21	0	10	n.	Worthy Hitt.
Freehold	Monmouth	194	¶34	56.5	......	86	17	31	8	33	2.78	−0.93	1.00	0	9	21	6	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	56.8	......	87	17	32	8	39	3.01	−0.84	0.89	0	7	19	6	6	nw.	J. G. Wilson.
Hightstown	Mercer	110	45	56.4	+1.5	86	17	31	8	36	2.66	−1.04	1.05	0	10	18	8	5	ne.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	56.4	+1.2	86	17	31	8	41	3.52	−0.17	0.79	0	7	15	11	5	n.	Edward Entwistle.
Lakewood	Ocean	54	34	56.8	+2.6	86	17	34	8†	40	2.93	−0.87	1.18	0	8	17	6	8	nw.	R. W. Holman.
Moorestown	Burlington	62	75	56.2	+1.3	87	17	35	8	34	2.30	−1.18	0.70	0	7	18	5	8	n.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	3.39	+0 19	1.00	0	7	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	58.4	......	84	17	38	8	32	2.21	......	0.76	0	7	17	9	5	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	57.6	......	87	17	35	8	39	2.38	......	0.54	0	8	18	4	9	nw.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	56.3	+1.6	86	17	33	26	38	3.50	+0.17	1.43	......	10	23	2	6	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	56.0	+3.4	88	17	26	8†	44	2.90	−0.92	1.28	.....	7	23	5	3	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	57.4	+1.8	87	17	38	8	32	2.27	−0.51	0.83	0	6	17	6	8	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	56.9[a]	......	88	17	35	8	36	2.85	......	1.04	0	6	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	57.2	+1.3	87	17	35	8	37	3.18	−0.44	1.18	0	7	19	5	7	nw.	John H. Brown.
Philadelphia, Pa	......	26	67	59.3	+1.5	89	17	42	8	30	2.09	−0.72	0.83	0	5	16	8	7	n.	U. S. Weather Bureau.
Means and extremes	......	......	....	56.7	+1.2	87	17	26	8†	42	2.77	−0.61	1.43	0	7	20	5	6	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	57.8	+0.9	78	17	40	8	27	3.19	−0.01	1.11	0	7	13	7	11	ne.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	57.1	+1.7	86	17	39	31	31	2.64	−1.75	1.00	0	7	13	11	7	ne.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	58.9	+2.0	82	17	46	31	23	2.09	−1.69	0.96	0	7	16	9	6	n.	U. S. Weather Bureau
Means and extremes	......	......	....	57.9	+1.5	86	17	39	31	31	2.64	−1.15	1 11	0	7	14	9	8	ne.	
For the State	......	......	....	56.2	+1.5	93	17	24	2†	45	2.47	−0.94	1.43	0	7	19	5	7	ne.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, [a], [b] [c], etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-12-6-38-900

Daily Precipitation for October, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware						.78	.15													.12	1.00			.90			.03		.15			3.13
Charlotteburg	Passaic						.44	.25														.92			.72	.08		.09	.03	.33			2.86
Culvers Lake	Delaware						.30	.04													.30	.91			.92	.05							2.52
Dover	Passaic						.78														.21			*	.77			.05	.11	.07			1.99
Layton(near)	Delaware						.33														.35	.58			.88				.03	.10			2.27
Long Valley	Raritan						.46	.25													*	.25			.73	.07			.30				2.06
Newton	Delaware						*	1.06													.33	.76			.83			.02	.04	.08			3.12
Phillipsburg	....do						.92													T.	.95				.87			T.	.07	T.			2.81
Sussex	Hudson						.26	.02													.20	.79			.92	.03		.02	.04	.06			2.34
The Red Sandstone Plain.																																	
Boonton‖‖	Passaic	T.						.65								T.				T.		.69			.02	.57		.02	.20	.05	.08		2.28
Canoe Brook‖‖	....do							.65														.66			.08	.34		.05	.20	.06			2.04
Chatham‖‖	....do	.03						.66							T.					T.		.57			.04	.37		.05	.26	.08			2.06
Elizabeth	Coast						.51	.15														.48		T.	.30	.02		.32	.05	T.			1.83
Flemington	Raritan						.67	.20													T.	.49			.76	.04		.03	.15	.05			2.39
Jersey City	Coast						.49	.16							T.					T.		.57		T.	.44			T.	.07	.03			1.76
Lambertville(nr.)	Delaware																																2.47
Little Falls.‖‖	Passaic	.02						.67												.01		.63			.05	.32		.05	.05	.12	.06		1.98
Newark***	Coast						.50								T.					T.	.64			T.	.36			.07	.10	.10			1.77
New Brunswick	Raritan						.73	.23														.36			.35	.03		.04	.23	.33			2.30
New Milford**	Hackensack	.02					.56														.53				.45			.03	.02	.11			1.72
Paterson	Passaic						.60														.02	.61		.01	.32	.03		.02	.15	.09			1.85
Plainfield	Raritan						.81	.02							T.					T.	.10	.40		T.	.33			.26	.10	.01			2.03
Ridgefield**	Hackensack						.53	.11					T.							T.	T.	.53		*	.51			.01	.17	T.			1.86
Somerville(near)	Raritan						.71	.17														.50		.02	.45	.06		.05	.18	.03			2.17
Woodcliff Lake**	Hackensack						.52														.76				.28			.03	.03	.12			1.74
New York, N. Y***	Coast						.67								T.					T	.40			T.	.41			.01	.13	.01			1.63
The Southern Interior.																																	
Belleplain	Tuckahoe						.06	.21														.25			1.02				.90	.57	.20		3.21
Bridgeton	Delaware						.13	.31																	1.08					.21			1.73
Burlington	Delaware						.68	.15								.01				T.		.28			.50	.40		.01	.43	.18			2.64
Camden**	..do						.82								T.				T.		.45				.56				.41	.23			2.47
Clayton	....do							.25							.07	.10						.48			.76	.08			.67	.38			2.79
Freehold	Raritan						.80	.20		T.							.02					.27			.33	.02		.02	.70	.42			2.78
Hammonton	Mullica	.04					.23	.35														.42			.57				.89	.51			3.01
Hightstown	Raritan	T.					.85	.20							T.	.01	.01			T.		.37		T.	.35	.02		.03	.37	.45			2.66
Indian Mills	Mullica						.61	.18							.63	T.	T.					.57		T.	.53	T.		T.	.70	.30	T.		3.52
Lakewood	Metedeconk	.04					.57	.27														.30			.50			T.	.75	.43	.07		2.93
Moorestown‖‖	Delaware	.01					T	.70						T.								.31			.18	.52		T.	.20	.33	T.		2.30
Northfield	Coast						.06	.23														.23			.80			T.	1.00	.73	.34		3.39
N. Merchantville	Delaware	T.					.64	.12		T												.37			.57	.03		T.	.33	.15			2.21
Pemberton	Delaware						.49	.17														.33		.02	.47	.01			.54	.35			2.38
Pleasantville‖‖	Coast	.06					T.	.21						.02	.01							.17			.32	.55			.30	1.43	.43		3.50
Runyon	Coast						.64	.34														.28			.35	.01			.31	.97			2.90
Trenton***	Delaware						.83								T.	T.			T.	T	.33			T.	.47			.01	.27	.36			2.27
Trenton No. 2**	....do						1.04								T.						.41				.57			.01	.42	.40			2.85
Tuckerton	Coast															.02						.33			.64	.09			1.18	.56	.36		3.18
Phila., Pa***	Delaware						.83							T	T.	T.					.19				.70			T.	.17	.20			2.09
The Sea Coast.																																	
Atlantic City***	Coast						.14	.03													.13			T.	.90			T	1.10	.82	.07		3.19
Long Branch**	....do						1.00								T.	.01					.32			T.	.54			T.	.40	.34	.03		2.64
Sandy Hook***	....do						.96								T.	.01					.33			T.	.42			.08	.12	.17			2.09

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	.096	.080	.128	.096	.080	.010	.112	.096	.064	.096	.080	.064	.064	.032	.096	.096	.096	.080	.064	.052	.080	.064	*	.020	.096	.050	.008	.012	.064	.064	.064	2.104
	Wind movement	8	5	9	1	2	1	2	2	7	5	2	3	12	2	3	1	1	13	11	13	4	8	28	25	13	21	3	18	6	4	12	245
Pleasantville**	Evaporation	.224	.192	128	.144	.128	*	.130	.144	.160	.144	128	148	.074	*	.128	.144	.112	.160	.112	.042	.160	.096	*	*	.102	.128	.028	.054	*	.014	.144	3.168
	Wind movement	83	59	64	30	32	95	63	50	75	25	33	43	14	40	41	24	20	69	67	101	30	37	101	62	53	96	105	157	99	104	27	1899
Runyon	Evaporation	.120	.120	.120	.120	.120	.040	*	.120	.080	.080	.120	.120	.120	.120	.120	.120	.120	.120	.120	*	.040	.090	.090	.050	100	.090	.060	.030	.230	.090	.090	2.960
	Wind movement	12	15	23	28	31	37	24	11	11	14	18	23	15	14	5	6	16	19	22	12	12	19	30	40	53	13	21	48	48	56	57	753

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for October, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	54	61	62	67	67	59	56	54	60	70	74	79	78	75	79	81	86	76	80	65	....	61	55	65	57	54	55	58	61	65	59	65.8[a]
	Minimum	37	32	34	31	33	43	34	27	39	37	38	48	44	63	54	48	46	49	50	54	41	38	40	55	39	31	39	47	50	44	32	41.5
Charlotteburg	Maximum	60	61	61	64	69	66	54	65	64	67	79	83	77	71	77	81	85	84	75	71	60	63	60	61	57	66	64	59	63	59	56	67.2
	Minimum	39	29	30	28	27	41	35	24	26	29	35	41	40	49	51	41	44	45	40	49	41	34	31	46	40	27	33	42	49	42	32	37.4
Dover	Maximum	61	59	59	62	66	56	53	62	60	65	76	79	69	69	73	79	83	71	71	71	67	54	61	61	57	65	62	59	62	58	55	64.4
	Minimum	41	34	35	32	34	43	35	31	42	41	41	50	45	53	54	45	50	50	46	53	43	38	36	49	41	32	37	45	52	45	35	42.2
Layton(near)	Maximum	63	64	62	67	72	60	60	66	59	59	79	79	72	69	79	85	87	75	74	64	60	66	62	61	58	67	62	59	65	63	60	67.0
	Minimum	34	28	30	31	29	43	31	27	35	36	34	47	46	48	49	44	43	42	45	53	36	34	33	42	38	28	37	48	42	42	26	38.1
Long Valley	Maximum	64	60	62	62	66	50	62	63	62	65	78	75	70	74	76	78	84	74	70	75	60	64	65	64	60	65	65	58	62	60	56	65.8
	Minimum	41	38	36	36	30	42	36	30	42	35	40	44	44	54	55	43	48	51	48	54	39	40	38	53	38	30	40	42	45	45	35	41.7
Newton	Maximum	60	60	60	65	70	59	56	....	....	....	....	....	....	72	75	83	88	75	70	67	58	66	62	65	66	67	62	56	63	58	59	65.3[f]
	Minimum	41	35	36	34	34	41	32	....	....	....	....	....	....	50	55	47	52	48	48	53	40	40	40	50	40	35	41	45	48	43	32	42.4[f]
Phillipsburg	Maximum	65	63	62	67	69	54	58	66	61	69	76	77	70	70	74	77	86	73	72	70	60	65	64	61	59	67	62	59	64	62	57	66.4
	Minimum	42	37	37	35	36	45	39	32	43	38	42	49	46	55	54	62	49	50	54	52	45	39	40	46	41	34	40	49	51	44	35	43.6
Sussex	Maximum	62	60	60	66	71	62	57	68	61	69	78	82	75	75	75	82	89	78	73	67	60	65	68	62	59	68	63	57	60	63	59	67 5
	Minimum	39	24	36	28	30	44	32	25	40	44	42	54	45	50	53	47	47	50	53	52	42	42	36	55	41	32	38	44	42	41	31	41.3
The Red Sandstone Plain.																																	
Boonton§§	Maximum	63	63	64	66	70	56	58	68	63	68	77	80	71	73	77	83	87	72	70	74	60	66	63	63	69	66	64	59	64	59	57	67.2
	Minimum	45	35	40	38	32	38	40	32	43	44	38	44	45	49	58	45	48	52	46	53	45	38	37	44	45	32	35	47	52	48	40	42.8
Canoe Brook§§	Maximum	65	63	64	67	71	54	59	68	65	69	79	81	72	78	76	83	89	69	74	77	63	67	64	63	59	67	66	60	66	62	58	68.3
	Minimum	38	30	30	26	29	41	34	24	36	31	34	44	43	56	58	42	44	44	41	47	42	34	36	42	41	27	34	39	50	44	30	38.4
Elizabeth	Maximum	70	67	67	71	74	65	62	69	68	72	81	82	76	77	77	84	92	70	76	81	71	67	64	64	62	70	69	67	69	64	62	71.0
	Minimum	43	35	41	33	34	41	40	30	42	40	40	49	46	58	59	48	49	54	47	52	41	38	41	56	40	32	38	44	53	48	37	43.5
Flemington	Maximum	65	66	66	70	74	63	59	71	65	71	82	83	72	81	78	85	93	73	78	78	66	71	65	63	64	70	68	60	66	63	60	70.6
	Minimum	44	40	40	39	38	43	39	36	47	40	41	51	49	56	58	48	51	53	50	66	44	40	41	56	40	34	38	47	55	49	39	45.2
Jersey City	Maximum	64	65	64	68	72	67	58	69	65	70	79	80	77	71	74	82	88	70	75	80	66	64	62	64	61	69	66	62	69	61	59	69.1
	Minimum	49	41	43	41	43	46	40	38	51	46	48	57	56	61	61	55	58	60	57	59	47	48	47	59	44	45	47	51	53	48	40	49.6
Lambertville (near)	Maximum	64	62	66	71	66	66	66	68	62	68	70	72	76	80	80	82	88	74	75	73	69	72	70	66	68	62	60	56	64	62	62	69.0
	Minimum	43	40	39	41	37	44	38	34	40	40	43	49	52	56	60	60	62	55	60	53	62	51	54	49	50	38	42	46	52	40	38	47.0
Little Falls§§	Maximum	66	65	64	68	73	65	58	71	65	73	82	84	75	76	80	86	92	73	75	77	64	66	64	64	60	69	68	60	65	61	60	70.0
	Minimum	43	34	35	33	33	46	37	30	40	39	39	48	47	56	57	45	48	50	45	53	44	40	38	57	42	32	38	47	42	46	36	42.6
Newark	Maximum	64	62	62	66	71	57	56	68	64	69	78	80	72	71	75	81	90	68	75	78	61	65	63	64	60	69	66	62	67	60	57	67.8
	Minimum	47	40	42	40	41	44	39	37	50	45	45	53	52	60	58	52	54	55	55	54	46	43	45	49	42	38	45	51	48	48	41	47.1
New Brunswick	Maximum	64	58	58	64	70	66	56	65	60	69	78	76	71	69	76	80	87	80	74	74	68	65	62	61	57	68	64	58	65	60	55	67.0
	Minimum	44	40	42	37	38	46	38	31	46	40	40	51	49	58	58	50	49	57	50	57	44	40	43	56	41	37	41	47	53	48	39	45.5
Paterson	Maximum	65	65	66	68	71	59	59	67	65	69	78	82	74	74	78	81	89	73	79	78	61	63	64	63	60	67	66	64	66	61	58	68.8
	Minimum	45	38	43	42	39	45	40	36	47	44	44	54	51	59	61	51	53	54	51	57	45	44	43	56	43	38	39	43	44	42	39	46.1
Plainfield	Maximum	66	65	68	69	72	56	60	69	66	72	79	79	73	73	77	83	90	70	76	78	63	68	65	63	61	70	69	60	68	59	56	69.1
	Minimum	40	38	41	37	35	46	40	36	42	42	40	49	47	56	56	46	50	53	49	62	44	38	42	53	41	34	39	47	54	42	38	44.1
Ridgefield	Maximum	65	64	64	67	70	54	57	68	64	70	79	79	72	70	75	80	89	69	73	75	60	64	63	63	60	68	62	62	67	59	56	67.4
	Minimum	44	39	41	38	39	45	40	34	45	40	43	63	52	59	60	50	52	51	50	52	45	44	43	46	42	39	43	49	55	44	39	45.7
Somerville(near)	Maximum	62	64	64	67	73	56	67	67	65	70	79	78	70	72	77	81	88	71	74	77	63	67	63	62	61	67	67	58	67	59	60	67.9
	Minimum	43	35	36	34	40	44	34	32	45	40	45	54	49	57	57	54	55	54	62	52	42	40	41	55	37	38	44	47	52	42	33	44.6
New York, N. Y	Maximum	63	62	64	64	70	58	55	66	62	69	77	78	71	71	74	79	87	73	72	76	61	62	61	64	60	67	63	63	67	56	55	66.8
	Minimum	49	46	47	44	48	46	43	40	50	46	52	57	57	61	60	60	69	58	55	54	46	50	55	49	44	46	49	49	55	45	41	60.4
The Southern Interior.																																	
Belleplain	Maximum	67	63	61	67	70	64	59	65	67	66	74	72	76	76	73	79	86	74	82	81	70	68	67	64	63	69	65	60	59	62	58	68.6
	Minimum	45	37	38	35	32	47	41	31	45	35	37	48	46	53	54	49	46	48	58	61	44	32	38	55	41	33	48	47	55	50	36	44.0
Bridgeton	Maximum	66	65	66	67	72	65	60	65	68	60	77	74	76	80	70	80	87	82	82	83	69	70	71	64	62	70	64	57	61	61	59	69.5
	Minimum	45	42	41	38	37	50	42	37	47	40	41	50	49	54	50	49	50	51	56	66	44	38	44	53	43	38	45	46	53	49	40	45.7
Burlington	Maximum	61	61	62	63	70	70	54	62	62	66	75	73	73	70	72	76	77	77	72	73	69	62	64	65	60	62	62	59	61	62	57	66.2
	Minimum	46	38	47	39	35	47	40	34	42	42	38	48	47	58	56	47	47	57	53	55	45	37	41	49	45	34	39	47	54	50	39	45.0
Clayton	Maximum	65	62	62	65	71	64	58	63	66	65	76	76	74	75	70	77	70	77	79	79	73	69	67	64	60	70	63	57	63	64	57	67.8
	Minimum	44	39	41	38	35	48	40	35	46	40	41	47	45	53	55	45	48	53	53	53	43	37	42	55	42	36	44	46	53	42	39	44.5
Freehold	Maximum	63	61	62	65	69	58	56	64	63	67	75	78	72	72	75	78	86	74	78	78	66	67	64	64	59	68	65	59	64	60	56	67.3
	Minimum	43	37	40	35	39	48	40	31	45	39	42	51	49	68	57	48	54	55	50	57	44	39	46	56	40	38	44	45	54	50	39	45.7
Hammonton	Maximum	67	64	62	67	71	68	62	66	68	62	78	78	75	77	73	81	87	75	81	82	77	70	67	66	60	72	65	58	64	68	68	70.3
	Minimum	42	37	38	34	36	48	38	32	43	38	39	49	50	52	54	47	49	51	51	57	42	38	38	45	38	35	43	44	52	47	36	43.3
Hightstown	Maximum	66	61	60	66	69	63	57	65	65	68	76	78	72	75	75	80	86	76	75	78	68	67	65	64	59	69	66	59	65	62	59	68.2
	Minimum	44	36	39	36	38	45	38	31	44	38	40	51	49	58	57	48	52	52	47	56	44	39	40	55	41	36	41	46	52	48	37	44.5
Indian Mills	Maximum	65	63	62	66	70	57	57	65	66	67	78	79	75	76	72	80	86	74	80	82	70	70	67	64	60	70	64	59	64	62	58	68.6
	Minimum	42	38	38	34	33	48	38	31	44	36	37	48	49	55	56	48	48	51	54	58	45	36	41	56	41	36	45	46	54	49	38	44.3
Lakewood	Maximum	67	62	60	66	71	59	58	66	65	68	79	80	74	73	72	76	86	69	81	81	71	68	65	65	61	70	66	60	64	61	57	68.4
	Minimum	43	42	42	36	37	47	41	34	45	39	39	52	52	58	55	47	48	53	46	60	46	36	39	54	40	34	43	47	54	51	43	45.3
Moorestown	Maximum	64	61	61	65	70	57	57	65	62	68	75	75	73	72	72	79	87	74	77	78	60	67	68	65	59	69	62	59	64	63	57	67.3
	Minimum	46	39	41	38	38	46	38	35	45	39	41	52	48	57	53	47	53	54	54	54	46	40	43	47	43	36	40	47	54	46	40	45.2
N. Merchantville	Maximum	67	64	64	67	73	63	59	67	66	68	76	77	74	74	73	82	84	76	76	80	59	70	70	65	62	72	64	57	66	64	59	69.0
	Minimum	48	44	44	42	41	47	41	38	49	44	44	53	50	58	56	50	54	55	55	56	46	42	45	57	44	41	46	48	54	50	41	47.8
Pemberton	Maximum	66	60	63	67	70	65	57	66	63	68	78	76	71	75	74	80	87	79	80	80	72	70	66	64	62	72	66	58	65	63	59	69.1
	Minimum	44	41	43	36	36	48	41	35	46	38	39	49	49	57	57	49	48	53	55	58	45	47	46	56	43	36	44	47	54	51	41	46.2
Pleasantville§§	Maximum	66	70	61	65	70	61	57	65	67	66	71	74	72	70	77	75	86	67	71	79	60	66	66	63	61	65	64	60	59	61	57	66.8
	Minimum	45	42	42	37	35	51	43	35	44	40	40	48	49	54	67	50	48	54	58	60	44	34	39	61	39	33	46	47	51	50	43	45.8
Runyon	Maximum	64	64	66	72	68	69	67	66	74	72	76	78	75	84	84	86	88	78	78	80	78	72	72	77	67	70	70	68	64	68	67	73.0
	Minimum	30	36	38	32	28	39	38	26	34	30	40	36	33	48	62	60	58	42	40	42	41	30	34	54	40	26	38	44	44	26	36	38.9
Trenton	Maximum	64	61	61	64	70	57	56	65	62	68	77	77	72	75	73	80	87	73	74	76	58	67	66	63	60	69	64	60	66	61	57	67.2
	Minimum	47	43	45	42	43	45	41	38	49	44	47	53	50	57	56	52	55	55	56	54	47	44	46	48	43	42	45	49	54	48	42	47.7
Trenton No. 2	Maximum	66	64	65	66	71	56	60	66	63	69	78	78	....	75	73	81	88	75	75	79	62	68	66	63	61	70	66	58	68	64	59	68.4[a]
	Minimum	44	39	41	38	40	45	39	35	46	41	44	50	....	58	55	50	52	54	56	53	45	42	42	48	41	36	43	47	53	47	39	45.4[a]
Tuckerton	Maximum	69	64	62	65	70	64	58	68	68	67	72	76	73	70	69	75	87	74	71	81	65	63	65	64	63	66	68	62	62	63	60	67.9
	Minimum	59	41	42	37	37	47	41	35	47	38	40	50	50	55	57	47	50	55	57	59	43	38	43	56	40	39	48	47	54	50	43	46.6
Philadelphia, Pa	Maximum	66	63	63	68	72	61	59	68	64	69	75	75	72	73	72	80	89	76	76	80	60	67	67	63	61	69	64	58	65	65	61	68.4
	Minimum	50	46	47	46	48	47	44	42	50	46	52	56	51	58	57	57	59	57	58	54	47	47	52	48	45	46	49	49	55	49	44	50.2
The Sea Coast.																																	
Atlantic City	Maximum	68	60	60	63	67	61	55	67	68	68	67	69	68	66	65	70	78	66	64	71	61	64	64	63	62	64	66	61	59	59	55	64.5
	Minimum	50	47	48	44	49	54	46	40	50	45	48	58	54	60	55	54	55	60	59	55	48	48	59	47	56	54	50	49	53	50	46	51.0
Long Branch	Maximum	65	60	60	65	71	57	55	65	65	68	75	79	70	65	70	72	86	64	76	78	61	64	64	64	58	66	62	61	64	60	54	65.9
	Minimum	45	48	51	46	40	50	47	40	50	43	44	53	55	58	55	52	55	50	50	58	45	40	48	47	42	40	50	52	55	50	39	48.3
Sandy Hook	Maximum	64	61	60	64	68	58	56	64	63	67	73	75	68	66	70	73	82	66	75	76	60	63	63	64	59	65	63	60	64	59	55	65.3
	Minimum	52	51	51	50	48	50	47	46	53	49	51	57	56	60	60	57	59	58	58	55	49	51	55	52	48	49	52	54	54	51	46	52.5

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

7.09
N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

F. H. TROLLE-STEENSTRUP.
TRENTON, N. J.

VOL. XLIII. NOVEMBER, 1938. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Although the monthly mean temperature was above normal, the lowest November temperature on record was observed this month. Not only was a new record of —7° established, but on the same day (the 26th), five other stations recorded temperatures below the previous record and one other observed a minimum equal to it. Temperatures were above normal until the 23d, on which date they fell to much below normal and remained there for the balance of the month.

This November's snowfall is the second greatest on record, the average for the State being exceeded only in 1898 when an average of 14.7 inches fell. This month's snowfall all occurred during the period of the 23d to the 27th. It was general throughout the State. Approximately one-third of the month's total precipitation was accounted for by the snowfall, otherwise, the precipitation was well distributed throughout the month.

R. O. S.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 45.6°, which was 2.0° above normal. The highest temperature was 80° at Hammonton on the 6th, and the lowest, −7°, at Runyon on the 26th. The greatest daily range of temperature was 49° at Layton on the 2d. The highest monthly mean temperature was 50.0° at Atlantic City, and the lowest, 41.3° at Canoe Brook.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +1.5°; Red Sandstone Plain, +1.9°; Southern Interior, +1.8°; Sea Coast, +2.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 3.42 inches, which was 0.24 inch above normal. The average total snowfall at 20 selected stations was 12.6 inches, which was 11.5 inches above normal. The greatest monthly precipitation was 5.10 inches, at Burlington, and the least, 2.21 inches at New Milford. The greatest amount of precipitation in any 24 consecutive hours was 2.56 inches at Sandy Hook on the 19-20th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands, +9.72 inches; Red Sandstone Plain, +6.07 inches; Southern Interior, +7.96 inches; Sea Coast, +9.94 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 3, 4, 7, 10, 11, 12, 17, 18, 22, 23.

THUNDERSTORMS: 19, 25.

SLEET: 24, 25.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.18	30.54	26	29.54	25	15.6	40	n.	25	84	68	76	67
Long Branch	30.16	30.59	26	29.54	25	11.4	45	w.	14	83	57	73	69
Ridgefield	30.15	30.60	26	29.60	25	.....	....	.....	....	....	....	....	....
Sandy Hook	30.15	30.58	26	29.56	25	14.9	44	w.	14	79	66	76	54
Trenton	30.16	30.58	26	29.62	13	8.4	30	w.	14	82	58	69	51

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	....	....	....	....	....
1886	44.5	73	17	4.49	....	....	....	....	....
1887	41.5	72	13	1.94	....	6	....	....	....
1888	45.8	77	8	3.97	....	10	....	....	....
1889	45.7	69	13	8.48	....	13	....	....	....
1890	43.8	74	11	0.82	....	8	13	12	5
1891	42.2	70	6	2.39	....	4	12	10	8
1892	41.9	71	12	7.29	....	11	8	9	13
1893	41.8	70	11	3.48	....	7	10	11	9
1894	40.3	76	11	3.34	....	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0.96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T.	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
1938	45.6	80	−7	3.42	12.6	12	14	6	10
Period	43.6	83	−7	3.18	1.1	8	12	8	10

Climatological Data for November, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	42.2^{a}	+0.8	75	7	1	26	40	4.25	+1.06	0.95	17.5	11	13	2	15	......	Miss C. S. Hixson.
Charlotteburg‡‡	Passaic	760	46	43.0	+2.6	73	7	−1	26	40	2.70	−0.92	0.90	17.0	11	11	8	11	w.	Newark Water Dept.
Culvers Lake‡‡	Sussex	760	37	......	......	......	......	......	......	....	3.17	+0.07	0.57	10.0	12	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	43.0	+2.6	72	7	5	26	34	3.72	+0.17	1.28	17.5	13	10	8	12	......	William C. Harris
Laytou....(near)	Sussex	480	37	41.6	+2.3	72	2†	−5	26	49	3.64	+0.57	......	16.3	13	13	2	15	sw.	A. M. Depue.
Long Valley	Morris	660	7	41.7	......	74	7	4	26	35	3.10	......	0.80	13.0	11	17	9	4	ne.	James E. Rice.
Newton	Sussex	769	55	43.4^{a}	+2.6	73	7	5	26	34	3.55	+0.48	1.01	20.6	14	8	6	16	sw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	42.9	+1.1	73	7	5	26	36	3.84	+1.01	0.95	14.0	14	17	4	9	......	Town Engineer.
Sussex	Sussex	450	43	42.8	+1.6	73	7	11	27	40	2.95	+0.13	1.27	16.5	14	14	9	7	......	Thomas R. Trudgen.
Means and extremes	......	......	....	42.6	+1.9	75	7	−5	26	49	3.44	+0.32	1.28	15.8	13	13	6	11	sw.	
The Red Sandstone Plain.																				
Boouton	Morris	280	§48	43.2	+2.0	73	5†	6	26	41	2.53	−0.48	0.75	......	11	12	5	13	ne.	John Kline.
Canoe Brook	Essex	180	8	41.3	......	76	7	−5	26	47	3.13	......	1.13	......	13	17	2	11	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	3.19	−0.25	0.92	13.0	11	14	10	6	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	46.4^{b}	+2.6	79	7	7	26	41	3.97	+1.05	1.95	15.5	13	13	2	15	w.	Union County Park Comm.
Flemington	Hunterdon	140	§52	46.1	+2.8	76	2†	2	26	44	2.75	−0.20	0.68	13.0	11	18	6	6	nw.	Hiram E. Deats
Jersey City	Hudson	81	40	48.3	+3.8	78	7	13	26	27	2.96	−0.04	0.93	13.8	10	14	9	7	n.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	44.5	+2.5	77	7	9	26	44	2.68	−0.72	0.74	13.0	11	7	12	11	w.	Passaic Valley Water Co
Newark	Essex	10	3	46.4	+2.7	78	7	15	26	32	3.69	+0.60	1.73	14.2	11	9	10	11	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	45.6	+2.0	75	7	6	26	36	3.64	+0.80	1.57	12.0	14	16	6	8	sw.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	20	......	......	......	......	......	......	....	2.21	−1.00	0.69	......	13	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	45.8	+2.1	75	5†	12	26	31	3.45	+0.33	1.21	18.0	13	14	3	13	nw.	E. Stanulis, Evening News
Plainfield	Union	120	50	45.8	+3.2	78	7	12	26	38	2.92	−0.13	1.04	14.6	14	15	5	10	n.	S. K. Pearson.
Ridgefield	Bergen	80	21	45.2	+3.4	77	7	11	26	33	3.44	+0.60	0.97	15.0	12	16	3	11	sw.	George P. Kirsten.
Somerville(near)	Somerset	385	55	45.2	+2.5	75	7	5	26	35	2 55	−0.42	0.69	14.0	12	6	10	14	w.	Richard H. Rogers.
Woodcliff Lake‡‡	Bergen	103	20	......	......	......	......	......	......	....	2.26	−0.77	0.72	......	12	....	....	...	......	Hackensack Water Co.
New York, N. Y	......	10	68	47.7	+3.5	75	7	18	25	28	3.37	+0.41	1.11	11.5	11	12	6	12	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	45.3	+2.7	79	7	−5	26	47	3.02	−0.04	1.95	14.2	12	13	6	11	w.	
The Southern Interior.																				
Belleplaiu	Cape May	49	44	48.5	+4.1	79	6	6	26†	40	2.90	+0.36	0.99	5.9	11	13	12	5	s.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	48.5	+2.8	78	6†	13	26†	38	3.33	+0.73	0.88	11.5	12	19	3	8	nw.	Bennett K. Matlack
Burlington	Burlington	12	§52	46.1	+1.4	78	14	17	29	41	5.10	+2.12	0.85	12.1	14	15	5	10	sw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	4.15	......	1.76	11.0	11	14	2	14	sw.	Central Airport, Inc.
Clayton	Gloucester	120	25	47.4	+3.0	77	6	8	26†	41	3.08	+0.36	0.95	16.5	11	13	10	7	n.	Worthy Hitt.
Freehold	Monmouth	194	¶34	46.7	......	75	7	7	26	34	3.60	−0.42	1.05	9.0	12	19	8	3	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	47.4	......	80	6	6	26	40	3 18	+0.14	1.02	17.0	9	14	10	6	sw.	J. G. Wilson.
Hightstown	Mercer	110	45	45.4	+1.9	76	7	0	26	37	4.29	+1.38	2.00	11.6	14	16	7	7	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	49	46.5	+3.0	77	6†	0	26	43	3.49	+0.49	1.14	16.0	13	12	12	6	w	Edward Entwistle.
Lakewood	Ocean	54	34	47.2	+4.0	78	7	10	26	35	3.37	+0.28	0.78	8.0	10	14	6	10	sw.	R. W. Holman.
Moorestown	Burlington	62	75	45.6	+2.7	77	7	8	25†	39	4.05	+1.14	1.65	14.5	13	16	6	8	s.	Japanese Beetle Laboratory
Northfield‡‡	Atlantic	25	31	......	......	......	......	......	......	....	2.96	+0.25	0.56	6.7	11	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	48.8	......	78	7	15	26	33	4.62	......	1.04	16.1	11	13	6	11	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	47.4	......	79	6	4	26	40	4.50	......	1.74	10.0	11	14	5	11	w.	Charles S. Beckwith.
Pleasantville‡‡	Atlantic	8	§40	47.0	+1.9	75	6	12	29	36	2.99	+0.17	0.87	......	14	20	5	5	s.	N. J. Water Policy Comm.
Runyon‡‡	Middlesex	18	15	42.0	−1.5	76	5	−7	26	44	3.65	+0.47	1.10	......	9	19	5	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	46.5	+2.1	75	7	14	26	32	3.10	+0.37	1.01	13.0	12	9	8	13	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	45.8	......	77	7	12	26	36	3.94	......	1.41	15.5	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	48.6	+3.9	75	7	14	29	31	2.90	−0.10	0.61	5.0	11	19	5	6	nw.	John H. Brown.
Philadelphia, Pa	......	26	67	48.6	+2.9	76	7	18	26	29	3.11	+0.41	0.80	11.5	12	10	9	11	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	46.8	+2.4	80	6	−7	26	44	3.64	+0.51	2.00	11.7	12	15	7	8	sw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	50.0	+4.4	69	6	20	28	24	3.59	+0.77	1.24	5 9	12	12	9	9	s.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	46.5	+2.3	77	7	14	26	34	3.70	+0.14	1.34	9.0	11	12	5	13	w.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	48.4	+2.6	73	7	22	26	22	4.74	+1.49	2.56	8.7	12	10	6	14	s.	U. S. Weather Bureau.
Means and extremes	......	......	....	48.3	+3.1	77	7	14	26	34	4.01	+0.80	2.56	7.9	12	11	7	12	s.	
For the State	......	......	....	45.6	+2.0	80	6	−7	26	49	3.42	+0.24	2.56	12.6	12	14	6	10	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-12-22-38-900

Daily Precipitation for November, 1938

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware					.29	.42		.09					.32				.21	.40	.65			T.	.26	.30	.95		.36					4.25
Charlotteburg	Passaic					.24		.05		.27							.04	.30	.06		.23			.24	.18	.90		.19					2.70
Culvers Lake	Delaware					.17	.42	.06		.22								.25	.10	.57	.20			.30	.15	.50		.23					3.17
Dover	Passaic				*	.25	.23		.26					.07				.30	.06	.54			.03	.25	*	1.28		.45					3.72
Layton(near)	Delaware					.35	.34	.08	.02					.24				.21	.09	.52	.18			*	*	1.36		.25					3.64
Long Valley	Raritan						.32		.05	.18								.25	.06	.30	.26			.23	.15	.80		.50					3.10
Newton	Delaware						.56	T.	.02	.14				.07	.02			.23	.10	.34	.10		.03	.25	.76	.70	T.	.23					3.55
Phillipsburg	...do				T.	.12	.14		.18	.04				.05				.18	.04	.65			.02	.12	.63	.95	.12	.60	T.				3.84
Sussex	Hudson					.03	.40	.03	.02	.26					.03		T.	.23	.01		.28		.01	*	.13	1.27		.25					2.95
The Red Sandstone Plain.																																	
Boonton ‖	Passaic					.15	.02	.06		.32					.02			.27		.01	.75				.11	.71		.11					2.53
Canoe Brook ‖	...do					.08	.02	.01	.01	.33					.03			.26	.01	.01	.75				.20	1.13		.29					3.13
Chatham ‖	...do					.10	.05	.11		.36					.06			.28		.01	.72				.15	.92		.43					3.19
Elizabeth	Coast					.05	.01	.01	.10	.31					T.			.34	T.	.61	.14		.01	.06	.12	1.95		.26					3.97
Flemington	Raritan					.18	.02		T.	.12				T.	.03			.15	T.	.55	.29		T.	.11	.08	.68		.54					2.75
Jersey City	Coast					T.	.12	.06	.27	.12								.37	T.	.39	.32				.02	.91		.38					2.96
Lambertville(nr.)	Delaware																																
Little Falls ‖	Passaic					.08	.03	.02		.45					.02			.32		.02	.74				.10	.60		.30					2.68
Newark***	Coast				.01	T.	.03		.33	T.				T.		T.		.34	T.	.75			.01	.06	1.13	.60	.13	.30					3.69
New Brunswick	Raritan					.01	.13		.10	.28					.10			.25	.02	.36	.43		.02	.17	.04	1.53		.20					3.64
New Milford**	Hackensack					.03	.07		.26	.06				.02				.42	.03	.69				.05	.35	.04	.02	.17					2.21
Paterson	Passaic					.11	.08	.02	.14	.13				T.	.04		T.	.34	T.	.62	.18		T.	.09	.08	1.21		.41					3.45
Plainfield	Raritan					.03	.02		.14	.11				.01		T.	T.	.21		.90	.03		.01	.12	.44	.60	*	.30					2.92
Ridgefield**	Hackensack					T.	.10		.40					.03		T.		.41	.01	.93	.02		T.	.10	*	.97	*	.47					3.44
Somerville(near)	Raritan					.09	.03		.01	.24					.02			.18		.21	.43			.16	.16	.69		.33					2.55
Woodcliff Lake**	Hackensack					.04	.07		.24	.06				.09				.40		.72				.08	.35	.05	.02	.14					2.26
New York, N. Y***	Coast					T.	.14	T.	.38	.06				T.		T.		.43	T.	.84	.01		T.	.08	.60	.51	.06	.26					3.37
The Southern Interior.																																	
Belleplain	Tuckahoe					.12			.27	.28					.17			.10		.37	.62			.18	.20	.37		.22					2.90
Bridgeton	Delaware				.05	.22	.03		.03	.18					.05					.58	.47			.22	.24	.88		.38					3.33
Burlington	Delaware					.70	.15		.40	.25					.07			.09		.65	.56		.02	.70	.30	.36	*	.85					5.10
Camden**	...do				T.	.26	.11		.26					.24				.07	T.	1.76	T.		T.	.26	.40	.17	.40	.22					4.15
Clayton	...do					.12	.10		.12	.18									.15	.24	.62			.20	.12	.28		.95					3.08
Freehold	Raritan					.06	.16		.23	.13					.07			.20	T.	1.05	.95		T.	.05	T.	.57	*	.13					3.60
Hammonton	Mullica					.06	.01		.14	.17								T.	T.	.60	.39			T.	.40	.39	T.	1.02					3.18
Hightstown	Raritan					.02	.61	T.	.10	.15					.15			.14	.01	1.48	.52		.01	.04	.04	.82	T.	.20					4.29
Indian Mills	Mullica				.04	.03	.03		.18	.14					.05			.08	T.	.32	.43		T.	.16	.11	.78	T.	1.14					3.49
Lakewood	Metedeconk						T.		.20	.10					.14			.23		.38	.60		T.	.23	.35	.78	T.	.36					3.37
Moorestown ‖	Delaware					.08	.06	.18		.23					.22			.12	.01	.20	1.65			.03	.20	.55		.52					4.05
Northfield	Coast								.21	.10					.17			.09		.56	.29			.17	.40	.45	.09	.43					2.96
N. Merchantville	Delaware					.27	.14		T.	.26				T.	.27			.07	T	.67	.97		T	.06	.02	1.02	T.	.87					4.62
Pemberton	Delaware						.07		.07	.16					.18			.12		1.74	.20			.20	.20	.92		.64					4.50
Pleasantville ‖	Coast		.01	.01		.04				.28			.02		.10			.12	.02		.87			.13	.35	.34	.30	.40					2.99
Runyon	Coast						.19		.20									.32		.70	.52			.12	*	1.10		.50					3.65
Trenton***	Delaware				.01	.01	.25		.17	T.				.07				.11	T.	1.01	T.		T	.04	.27	.66	.16	.34					3.10
Trenton No. 2**	...do				T	.02	.37		.24	T.				.10				.13	T.	.92	.02		T	.04	.55	.86	.31	.38					3.94
Tuckerton	Coast					.06			.12	.10					.11			.24		.41	.43				.36	.46	*	.61					2.90
Phila., Pa***	Delaware				.06	.11	.14		.20	T.				.26				.06	T.	.67	T.		T.	.05	.70	.10	.22	.54					3.11
The Sea Coast.																																	
Atlantic City***	Coast				.02				.16	.03				.09				.27	T.	1.20	.04		T.	.37	.46	.24	.47	.24					3.59
Long Branch**	...do						T.		.20	.04				.06				.25		1.34	.01			.16	.58	.63	.08	.35					3.70
Sandy Hook***	...do						.54		.28	.07				.11		T.		.22		2.54	.02		T	.09	.25	.38	.11	.13					4.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. ‖ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation																																
	Wind movement																																
Pleasantville**	Evaporation	.074	.090	080	*	.104	.128	.096	.024	.160	.064	036	048	.004	.128	.128	*	*	*	*	.018	.096	.098	.078									
	Wind movement	19	23	45	57	62	95	49	119	50	22	29	7	101	83	98	56	29	156	127	49	31	93	33									
Runyon	Evaporation	.080	.060	.060	.060	.060	.010	.060	.000	.060	.060	.060	.060	.060	.060	.060	.060	.020	.060	.020	.200	.040	.030	.020									
	Wind movement	30	17	13	18	12	7	30	28	20	21	21	19	21	18	30	70	62	22	36	46	15	19	22									

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for November, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere	Maximum	60	68	65	66	67	68	75	72	65	49	60	63	63	....	55	43	44	52	51	51	57	53	50	46	29	25	35	30	35	35	....	52.5ᵃ
	Minimum	27	28	37	40	51	59	60	54	35	28	30	37	45	....	28	26	32	33	40	36	28	30	32	23	18	1	16	12	15	20	....	31.8ᵃ
Charlotteburg	Maximum	62	72	67	67	72	70	73	72	64	59	64	67	65	61	46	40	57	64	66	52	63	55	64	45	30	27	33	32	40	47	....	56.2
	Minimum	27	32	31	38	64	60	60	58	30	24	26	34	37	39	21	25	21	29	45	34	24	23	31	22	12	−1	17	9	12	22	....	29.9
Dover	Maximum	60	69	61	65	70	67	72	70	57	58	60	67	61	54	46	41	56	62	65	56	53	55	45	25	31	25	45	32	40	46	....	53.8
	Minimum	30	35	35	39	56	62	61	50	40	27	29	40	41	33	27	27	34	31	42	32	28	26	31	20	12	5	19	11	18	27	....	32.3
Layton(near)	Maximum	64	72	59	63	70	68	72	70	64	60	63	69	62	54	48	46	55	52	61	52	53	58	43	30	25	24	36	33	40	47	....	53.8
	Minimum	27	23	31	43	57	61	59	54	36	25	26	31	39	36	21	24	24	34	44	31	21	21	30	20	16	−5	12	10	16	14	....	29.4
Long Valley	Maximum	58	62	60	65	70	70	74	73	50	60	60	65	60	46	47	46	56	56	66	50	50	50	44	32	26	25	34	31	42	46	.. .	52.4
	Minimum	28	30	40	39	56	60	59	53	25	25	30	40	44	36	24	24	30	31	46	35	24	24	34	22	14	4	17	8	8	21	....	31.0
Newton	Maximum	64	70	57	65	70	67	73	71	58	60	63	69	60	55	45	45	54	61	65	60	....	55	50	33	26	20	36	29	38	45	....	53.9ᵃ
	Minimum	31	36	37	45	56	60	60	56	34	28	34	43	47	31	26	25	29	35	38	32	....	33	31	18	11	5	13	15	17	28	....	32.9ᵃ
Phillipsburg	Maximum	60	67	60	63	70	68	73	69	53	56	61	66	62	53	48	48	52	55	62	62	50	55	43	34	28	26	33	30	40	44	....	62.7
	Minimum	32	31	36	40	59	62	57	46	35	30	33	37	46	40	33	29	35	35	44	34	30	32	33	23	7	5	19	19	12	19	....	33.1
Sussex	Maximum	65	66	58	66	72	70	73	72	67	62	63	71	61	57	48	41	56	50	62	56	53	57	49	30	27	22	37	32	40	48	....	54.4
	Minimum	26	32	38	42	51	66	55	52	37	27	23	37	34	40	26	27	29	33	43	35	26	27	34	22	16	12	11	13	15	17	....	31.2
The Red Sandstone Plain.																																	
Boonton§§	Maximum	64	70	57	67	73	69	73	71	57	60	62	71	63	45	48	44	58	65	67	57	54	56	48	30	29	29	37	34	41	48	....	54.9
	Minimum	30	29	32	37	44	68	59	53	39	27	29	31	40	43	25	27	28	32	38	36	29	28	30	27	19	6	14	20	16	20	....	31.5
Canoe Brook§§	Maximum	60	70	57	67	75	67	76	73	56	60	63	72	64	51	48	44	57	66	68	54	55	57	48	34	32	29	32	31	41	46	...	55.1
	Minimum	22	23	30	33	51	61	60	52	35	22	27	34	37	38	20	24	26	30	31	31	21	23	29	26	18	−5	1	4	5	16	....	27.5
Elizabeth	Maximum	66	69	58	69	76	72	79	76	66	62	64	73	66	65	51	47	58	68	67	67	56	55	49	40	34	33	40	35	42	47	....	58.0
	Minimum	30	28	40	39	57	56	56	52	34	28	32	37	43	41	24	26	32	35	47	39	29	30	40	24	19	7	....	....	26	22	....	34.8ᵇ
Flemington	Maximum	69	76	70	66	72	73	76	74	68	64	67	74	65	64	52	47	59	62	67	67	55	69	63	40	35	31	39	36	43	51	....	68.8
	Minimum	30	32	37	40	57	59	58	50	34	29	32	40	44	41	32	28	28	33	54	40	33	29	36	24	19	2	20	13	8	20	....	33.4
Jersey City	Maximum	64	69	62	65	72	69	78	71	65	59	63	72	66	62	47	41	58	63	69	51	52	55	52	40	32	29	37	34	45	49	....	56.4
	Minimum	39	42	52	49	59	61	62	60	41	39	41	48	55	45	36	34	39	41	50	40	40	37	40	25	18	13	22	23	22	34	....	40.2
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Little Falls§§	Maximum	68	73	59	73	75	73	77	73	57	63	64	72	65	50	48	47	59	65	67	55	54	57	46	29	32	36	29	35	43	50	....	56.5
	Minimum	28	29	37	37	53	56	62	54	38	28	31	34	42	41	24	27	30	33	40	37	27	28	35	26	17	9	17	18	15	23	....	32.5
Newark	Maximum	64	69	58	66	75	72	78	72	55	59	62	74	67	54	48	45	57	65	67	53	62	55	47	34	30	29	36	32	42	47	.. .	55.5
	Minimum	35	37	47	46	61	60	58	50	40	34	36	43	50	39	32	32	45	40	42	39	35	34	34	22	19	15	22	20	20	29	....	37.2
New Brunswick	Maximum	60	72	60	63	74	69	75	70	65	59	63	71	66	65	45	47	52	69	65	59	59	56	49	39	28	28	34	30	38	43	....	55.8
	Minimum	32	36	42	38	55	62	59	55	35	30	34	43	45	42	32	28	32	34	59	39	33	32	34	24	19	6	22	16	15	26	....	35.3
Paterson	Maximum	62	66	58	65	75	72	75	72	66	58	61	69	65	62	48	46	59	61	66	52	52	55	50	37	24	28	37	33	41	48	....	55.4
	Minimum	34	35	44	43	46	60	63	57	39	33	35	43	47	41	30	31	35	36	45	38	34	32	36	22	18	12	22	20	21	32	....	36.1
Plainfield	Maximum	64	67	60	70	76	71	78	74	65	62	64	72	66	51	49	45	58	71	67	55	55	56	47	37	34	30	36	33	44	47	....	56.8
	Minimum	31	31	50	48	55	60	60	62	36	30	32	41	44	42	29	29	31	33	45	36	32	31	36	24	14	12	20	18	19	24	....	34.8
Ridgefield	Maximum	64	67	57	66	75	71	77	74	54	58	64	69	65	50	48	44	57	65	65	53	61	53	45	33	27	27	35	33	41	48	....	54.5
	Minimum	33	34	47	43	61	63	58	47	37	32	35	44	48	35	31	30	44	36	39	39	33	32	37	20	13	11	23	20	20	31	....	35.9
Somerville(near)	Maximum	62	73	58	67	73	70	75	72	63	59	63	70	63	60	48	46	55	66	66	46	55	55	48	36	29	30	36	32	42	47	....	55.5
	Minimum	34	38	42	42	52	60	61	58	31	31	36	44	47	39	31	26	33	36	41	36	31	36	36	22	17	5	20	14	17	27	....	34.8
New York, N. Y	Maximum	63	66	56	66	71	69	75	69	55	60	62	71	64	54	48	45	66	65	66	54	53	54	52	32	32	33	36	33	43	47	....	55.0
	Minimum	42	46	52	51	61	63	61	48	40	42	46	48	54	39	36	33	45	49	38	38	41	48	31	20	18	20	24	22	23	24	....	40.4
The Southern Interior.																																	
Belleplain	Maximum	62	72	62	71	73	79	77	74	64	60	66	59	70	64	57	52	61	73	67	66	58	68	62	58	54	51	47	43	46	55	....	62.4
	Minimum	28	32	35	38	60	61	59	57	32	28	32	35	44	45	27	27	28	42	61	41	28	30	42	26	21	6	22	16	6	29	....	34.6
Bridgeton	Maximum	63	73	66	72	73	78	78	70	65	66	67	70	72	64	55	46	63	74	65	65	61	61	61	45	33	40	35	34	47	56	....	60 6
	Minimum	32	36	41	43	59	60	58	57	35	33	38	42	49	44	32	27	31	36	52	40	31	36	42	29	20	13	22	13	14	27	....	36.4
Burlington	Maximum	54	64	65	65	70	73	73	72	67	65	60	63	67	78	48	52	56	68	69	68	50	52	54	45	30	31	36	31	38	43	....	56.6
	Minimum	29	31	49	39	58	61	55	56	36	31	34	40	45	37	30	30	30	36	58	41	33	31	31	25	19	28	21	18	17	19	....	35.6
Clayton	Maximum	63	72	63	71	72	77	75	72	66	60	70	70	68	66	53	51	57	73	71	76	55	56	51	46	30	35	35	34	43	52	....	59.4
	Minimum	32	31	40	41	58	60	68	54	35	33	38	38	45	43	29	29	30	40	60	41	30	33	38	28	19	8	22	13	8	25	....	35.3
Freehold	Maximum	60	69	59	69	73	74	75	74	65	60	62	69	68	66	48	47	56	69	69	63	64	60	60	41	28	32	36	36	43	48	....	57.4
	Minimum	32	35	42	36	57	61	59	56	35	30	35	44	46	41	30	28	34	38	59	40	32	38	37	27	19	7	23	17	16	27	....	36.0
Hammonton	Maximum	64	74	64	75	74	80	78	72	67	62	68	72	70	66	54	52	60	75	69	65	59	66	59	54	30	42	37	36	47	53	....	61.4
	Minimum	29	34	35	36	52	52	56	53	31	27	31	39	46	42	27	26	26	52	61	39	29	29	36	30	19	6	20	11	7	25	....	33.5
Hightstown	Maximum	60	70	59	69	74	73	76	74	65	60	61	69	67	66	47	47	54	71	69	61	55	54	50	42	27	30	34	30	40	46	....	56.7
	Minimum	30	33	37	37	58	61	59	58	34	29	32	43	46	39	28	27	30	34	58	39	33	31	37	24	18	0	22	12	11	26	....	34.2
Indian Mills	Maximum	62	72	62	72	74	77	77	75	66	64	67	70	69	67	52	51	59	74	69	66	59	60	51	42	29	37	34	32	44	52	....	59.5
	Minimum	29	29	36	37	59	61	59	56	33	26	31	36	46	42	31	27	29	36	61	39	28	29	36	26	21	0	22	13	8	20	....	33.5
Lakewood	Maximum	63	70	61	68	75	78	78	77	66	60	67	71	66	65	49	48	60	68	69	66	55	65	53	44	31	35	36	33	46	50	....	59.1
	Minimum	32	35	36	37	58	62	57	55	35	28	31	38	42	42	27	29	30	36	60	42	31	29	37	31	20	10	28	19	14	30	....	35.4
Moorestown	Maximum	62	72	61	70	73	74	77	73	55	61	63	70	69	57	51	45	55	73	68	64	55	58	47	37	29	31	34	32	41	49	....	56.5
	Minimum	32	33	40	42	59	63	60	45	36	31	35	43	49	37	32	31	31	37	46	41	36	33	33	25	8	8	22	18	13	25	....	34.8
N. Merchantville	Maximum	64	71	63	72	73	77	78	74	65	63	65	71	70	61	52	50	56	72	71	63	59	59	54	43	30	33	35	33	42	49	....	58.9
	Minimum	36	38	43	45	59	63	59	59	37	35	40	45	52	45	34	33	34	39	60	41	39	35	40	24	21	15	22	21	18	28	....	38.7
Pemberton	Maximum	63	72	62	73	75	79	78	76	66	63	65	71	70	67	51	48	56	73	70	56	57	58	55	46	40	34	37	32	44	49	....	59.5
	Minimum	31	32	40	38	59	61	59	58	35	29	34	48	48	44	31	29	30	38	54	41	31	35	38	24	18	4	22	16	9	26	....	35.4
Pleasantville§§	Maximum	62	70	62	69	71	75	74	72	53	58	62	71	64	54	54	57	62	64	64	52	55	64	62	43	31	41	36	33	45	54	....	57.8
	Minimum	32	35	35	38	52	59	59	58	33	31	34	39	44	44	29	29	34	41	56	41	30	28	56	33	23	13	24	16	12	30	....	36.3
Runyon	Maximum	64	64	72	72	76	74	70	64	58	64	63	70	69	64	58	48	54	68	65	60	68	44	38	30	30	26	38	36	42	49	....	66.6
	Minimum	22	26	40	42	42	46	28	40	26	20	28	31	34	34	20	20	30	30	50	40	26	26	30	22	18	−7	18	15	2	19	....	27.3
Trenton	Maximum	62	72	60	69	73	72	75	73	53	59	62	71	68	54	50	44	55	71	69	52	55	56	46	35	29	29	34	31	41	48	....	55.6
	Minimum	39	40	44	44	61	62	59	43	37	36	38	43	50	40	36	32	36	39	44	41	39	37	35	23	20	14	23	19	19	30	....	37.4
Trenton No. 2	Maximum	63	72	61	70	73	72	77	73	54	59	63	71	67	65	50	45	55	71	68	53	52	55	47	37	24	32	37	33	41	49	....	56.0
	Minimum	35	36	41	41	59	62	59	48	35	32	36	43	46	40	33	30	33	36	44	39	35	33	36	23	14	12	23	17	18	28	....	35.6
Tuckerton	Maximum	62	68	69	66	73	74	75	74	64	60	64	71	65	61	53	52	63	66	65	58	54	65	62	55	48	42	39	35	45	55	....	60.1
	Minimum	33	38	46	42	58	56	57	58	34	34	38	40	46	45	30	28	39	40	46	40	35	35	44	32	20	15	24	17	14	28	....	37.1
Philadelphia, Pa	Maximum	65	73	61	70	72	73	76	72	55	59	64	71	68	55	52	44	55	70	67	55	56	59	53	34	31	33	37	32	41	50	....	56.8
	Minimum	42	47	50	49	62	63	61	43	38	41	46	46	54	43	40	34	39	44	43	42	44	43	34	24	22	18	22	22	25	35	....	40.5
The Sea Coast.																																	
Atlantic City	Maximum	60	69	60	66	66	69	68	68	54	60	60	68	64	55	56	52	61	63	62	53	55	62	58	47	34	42	37	34	47	57	....	56.9
	Minimum	40	45	56	54	60	61	61	49	39	42	46	51	55	44	40	34	52	54	50	43	41	53	41	27	22	21	25	20	28	37	....	43.0
Long Branch	Maximum	62	65	60	62	72	74	77	70	55	56	60	70	65	56	48	47	58	66	70	53	50	62	51	35	30	35	36	31	46	49	....	55.7
	Minimum	35	38	42	44	60	62	60	49	36	33	36	47	54	37	31	30	46	43	44	37	34	37	35	25	18	14	24	19	19	30	....	37.3
Sandy Hook	Maximum	59	66	58	61	69	71	73	67	54	55	59	67	63	55	49	47	55	66	66	52	51	56	49	37	30	33	36	32	43	45	....	54.1
	Minimum	46	46	53	51	60	62	60	50	42	46	46	50	55	43	40	36	47	46	44	44	44	47	37	27	23	22	29	23	24	35	...	42.6

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

F. H. TROLLE-STEENSTRUP.
TRENTON. N. J.

Vol. XLIII. December, 1938. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The temperature for this month averaged somewhat above the normal figure. December was characterized by both warm and cold spells, the first few days of the month being considerably below normal followed by a warm spell lasting about ten days. The balance of the month showed no unduly large departures either way. The highest for the month occurred at practically all stations on either the 4th or the 5th, and was mostly near the 60 degree mark. The monthly minima ranged from 1° at Layton to 21° at Sandy Hook, with most stations recording around the 15 degree mark.

The average precipitation for the State for this December was almost an inch below normal, but despite this there have been over one-fourth of the years since measurements began, that the average was less than this year's. The precipitation, which was mostly in the form of rain, fell during the periods of the 3d-6th, 9-10th, 12th, and scattered days from the 17th to the end of the month. The snowfall during the month was mostly negligible except in the region comprising the Highlands where as much as 6 inches was recorded.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 34.8°, which was 1.1° above normal. The highest temperature was 67° at Hammonton on the 4th and 5th, and the lowest, 1°, at Layton on the 2d. The greatest daily range of temperature was 47° at Canoe Brook on the 3d. The highest monthly mean temperature was 39.4° at Atlantic City, and the lowest, 29.2° at Layton.

The temperature departure from the normal for the year 1938, to date, by sections, is: The Highlands, +1.6°; Red Sandstone Plain, +1.9°; Southern Interior, +1.7°; Sea Coast, +2.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 2.80 inches, which was 0.85 inch below normal. The average total snowfall at 20 selected stations was 1.4 inches, which was 4.3 inches below normal. The greatest monthly precipitation was 5.11 inches, at Sussex, and the least, 1.16 inches at Lakewood. The greatest amount of precipitation in any 24 consecutive hours was 2.90 inches at Somerville on the 5th.

The precipitation accumulated departure from the normal for the year 1938, to date, by sections, is: The Highlands. +9.98 inches; Red Sandstone Plain, +5.77 inches; Southern Interior, +5.68 inches; Sea Coast, +7.96 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 3, 4, 5, 6, 8, 9, 10, 17.
Thunderstorms: 10.
Sleet: 18, 19, 21.
Hail: 10.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.11	30.60	28	29.47	6	15.2	47	se.	5	74	65	70	49
Long Branch	30.08	30.64	2	29.40	6	12.4	40	nw.	10	74	60	69	51
Ridgefield	30.07	30.62	2	29.40	6	.....	....	.....	....	....	....	....	....
Sandy Hook	30.07	30.60	2	29.41	6	15.6	44	w.	27	78	69	73	47
Trenton	30.09	30.61	2	29.42	6	9.1	27	nw.	10	74	60	67	36

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	41.5	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	7.30	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	21.1	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	72	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	0	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	24.8	54	−21	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	72	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	18	6	12
1938	34.8	67	1	2.80	1.4	10	11	6	4
Period	33.7	72	−21	3.65	5.7	9	12	9	10

Climatological Data for December, 1938

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	33.2	+2.4	54	5	12	2	29	4.00	+0.09	1.08	1.5	10	12	5	14	......	Miss C. S. Hixson.
Charlotteburg††	Passaic	760	46	33.1	+3.0	57	3†	7	29	35	4.34	+0.34	1.22	4.5	11	14	2	15	w.	Newark Water Dept.
Culvers Lake††	Sussex	760	37	......	......	......	......	......	......	....	4.05	+0.71	1.73	6.1	9	....	....	....	......	L. S. Depue.
Dover	Morris	600	54	32.4	+2.3	55	4†	11	2	33	3.74	−0.44	1.25	3.3	12	3	13	15	......	William C. Harris
Layton....(near)	Sussex	480	37	29.2	+1.1	56	4	1	2	30	2.73	−0.64	0.80	3.8	11	4	5	22	w	A. M. Depue.
Long Valley	Morris	660	7	30.7	....	54	5	10	2	21	4.34	....	1.42	......	8	14	13	4	sw.	James E. Rice.
Newton	Sussex	769	55	30.8	+0.6	55	4	7	2	30	3.34	−0.07	1.44	6.0	14	7	5	19	nw.	Irving J. Kern.
Phillipsburg	Warren	182	§55	33.3	+1.8	55	5	16	3	24	3.36	−0.07	1.10	1.0	11	14	7	10	......	Town Engineer.
Sussex	Sussex	450	43	31.0	+1.1	56	4	6	2†	29	5.11	+2.14	1.45	4.5	12	10	13	8	......	Thomas R. Trudgen.
Means and extremes	......	......	....	31.7	+1.8	57	3†	1	2	35	3.89	+0.26	1.73	3.8	11	10	8	13	w.	
The Red Sandstone Plain.																				
Boonton	Morris	280	§48	32.2	+2.9	56	4†	10	2	38	3.72	+0.02	1.05	......	9	11	3	17	ne.	John Kline.
Canoe Brook	Essex	180	8	31.0	....	58	4	6	2†	47	2.84	....	1.10	......	11	17	0	14	w.	N. J. Water Policy Comm.
Chatham	Morris	185	34	......	......	......	......	......	......	....	3.70	−0.47	1.18	......	13	11	7	13	......	Paul Molitor. Sr.
Elizabeth	Union	34	59	35.8	+2.2	60	4	12	2	28	1.89	−2.03	0.63	0.5	11	14	2	15	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§52	35.0	+2.5	61	4	11	3	30	3.27	−0.39	1.04	0.2	9	15	4	12	w.	Hiram E. Deats
Jersey City	Hudson	81	40	37.8	+3.3	60	4	17	2	27	2.57	−1.08	1.01	1.1	11	9	7	15	nw.	Jersey Journal.
Lambertville (near)	Hunterdon	430	51	......	......	......	......	......	......	....	3.53	−0.17	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Little Falls	Passaic	157	§35	34.0	+1.6	58	4	10	2	40	4.38	+0.44	1.53	0.6	15	10	6	15	w.	Passaic Valley Water Co
Newark	Essex	10	3	35.7	+2.3	58	4	16	2	31	2.73	−1.23	1.21	0.7	13	8	9	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	85	34.6	+1.2	59	5	14	29	26	2.68	−0.86	1.05	0.5	9	10	9	12	nw.	N. J. Experiment Station
New Milford††	Bergen	12	20	......	......	......	......	......	......	....	4.03	+1.03	1.46	......	14	....	....	....	......	Hackensack Water Co
Paterson	Passaic	95	68	35.2	+1.8	57	4	15	2	24	4.79	+0.94	1.36	2.3	12	13	4	14	n.	E. Stanulis, Evening News
Plainfield	Union	120	50	35.2	+2.4	59	4	16	16†	41	3.05	−0.82	1.25	0.4	12	10	6	15	nw.	S. K. Pearson.
Ridgefield	Bergen	80	21	34.2	+2.9	57	4†	14	2	37	3.14	−0.67	1.10	1.1	15	8	7	16	nw.	George P. Kirsteu.
Somerville (near)	Somerset	385	55	35.6	+3.1	62	5†	9	2	28	3.87	−0.16	2.90	T.	5	13	9	9	ne.	Richard H. Rogers.
Woodcliff Lake††	Bergen	103	20	......	......	......	......	......	......	....	4.09	+1.10	1.55	......	14	....	....	....	......	Hackensack Water Co
New York, N. Y.	......	10	68	37.2	+2.2	58	4	18	2	28	2.18	−1.44	0.99	1.1	14	7	8	16	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	34.7	+2.4	62	5†	6	2†	47	3.32	−0.30	2.90	0.7	12	11	6	14	nw.	
The Southern Interior.																				
Belleplain	Cape May	49	44	37.0ᵃ	+1.9	61	5	8	29	36	2.04	−1.96	0.80	T.	7	9	8	14	w.	Mrs. Edward C. Hoffman.
Bridgeton	Cumberland	30	55	37.1	+1.0	62	8†	14	29	31	2.05	−1.65	0.79	2.5	7	14	3	14	nw.	Bennett K. Matlack
Burlington	Burlington	12	§52	35.4	+0.5	58	5†	13	29	26	2.69	−1.26	0.72	T.	8	14	2	15	nw.	Public Service G. & E. Co.
Camden	Camden	20	6	......	......	......	......	......	......	....	2.25	....	0.85	0.7	9	13	8	10	nw.	Central Airport, Inc.
Clayton	Gloucester	120	25	36.2	+1.9	64	4	11	16	30	2.60	−1.09	1.00	2.5	7	8	11	12	nw.	Worthy Hitt.
Freehold	Monmouth	194	¶34	35.4	....	59	5	15	29	27	2.43	−1.29	1.02	0.8	9	16	5	10	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§32	......	......	67	4†	......	......	....	3.04	−0.94	0.91	2.5	7	13	8	10	nw.	J. G. Wilson.
Hightstown	Mercer	110	45	35.0	+2.1	60	5	14	2	30	2.21	−1.33	0.84	0.2	8	14	5	12	nw.	James R. Pickering.
Indian Mills††	Burlington	100	49	35.3	+1.3	60	4†	12	29	34	2.23	−1.88	0.87	2.7	10	8	11	12	nw.	Edward Eutwistle.
Lakewood	Ocean	54	34	36.1	+2.2	60	4	14	29	31	1.16	−3.03	0.45	1.0	9	10	5	16	nw.	R. W. Holman.
Moorestown	Burlington	62	75	35.3	+1.6	59	5	16	29	33	1.99	−1.78	0.73	0.5	7	12	5	14	nw.	Japanese Beetle Laboratory
Northfield††	Atlantic	25	31	......	......	......	......	......	......	....	1.66	−2.11	0.78	0.2	7	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	....	37.5	.....	59	5	18	2†	26	2.25	....	0.85	0.5	9	8	7	16	ne.	A. Reuleaux Heintze.
Pemberton	Burlington	55	8	36.5	....	60	4†	15	29	27	1.67	....	0.74	0.1	7	11	2	18	w.	Charles S. Beckwith.
Pleasantville††	Atlantic	8	§40	35.5	+0.2	58	8	11	29	35	1.84	−2.09	0.88	......	10	10	9	12	w.	N. J. Water Policy Comm.
Runyon††	Middlesex	18	15	32.0	−0.2	61	5†	5	2	42	2.27	−1.07	0.92	......	8	17	8	6	w.	N. J. Water Policy Comm.
Trenton	Mercer	56	66	35.7	+1.3	59	5	17	2	26	2.11	−1.24	0.85	T.	10	7	7	17	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	8	35.4	....	59	5	15	2	35	2.34	....	0.96	T.	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	45	37.8	+2.6	59	4	14	29	26	1.89	−2.44	0.83	0.1	7	16	4	11	nw.	John H. Brown.
Philadelphia, Pa	......	26	67	37.6	+1.3	59	5	20	28	27	2.22	−1.21	0.88	0.2	10	7	10	14	nw.	U. S. Weather Bureau.
Means and extremes	......	......	....	35.8	+1.4	67	4†	5	2	42	2.14	−1.68	1.02	0.8	8	12	6	13	nw.	
The Sea Coast.																				
Atlantic City	Atlantic	8	65	39.4	+3.0	57	8	20	29	26	1.82	−2.12	0.66	T.	9	7	6	18	w.	U. S. Weather Bureau.
Long Branch	Monmouth	34	30	36.1	+1.9	60	4	16	29	27	2.31	−1.84	1.15	1.0	12	6	10	15	nw.	Storm Warn. Display Sta.
Sandy Hook	Monmouth	15	40	37.2	+2.0	55	4	21	28	26	2.07	−1.97	1.09	0.6	13	10	6	15	w.	U. S. Weather Bureau.
Means and extremes	......	......	....	37.6	+2.3	60	4	16	29	27	2.07	−1.98	1.15	0.5	11	8	7	16	w.	
For the State	......	......	....	34.8	+1.1	67	4†	1	2	47	2.80	−0.85	2.90	1.4	10	11	6	14	nw.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. **Departures** of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters. ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

†† Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2. Vincentown: New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-2-23-39-900

Daily Precipitation for December, 1938

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
The Highlands and Kittatinny Valley.																																	
Belvidere	Delaware	....	....	T.	.38	.51	1.08	....	....	.27	.60	....	.05	....	....	....	....	.02	.04	....	....	T.	....	T.	....	....	....	.95	....	....	....	.10	4.00
Charlotteburg	Passaic	....	....	....	1.14	....	1.04	....	....	.20	.46	....	.06	....	....	....	....	....	.04	.02	....	.03	....	.03	....	....	....	1.22	....	....	....	.10	4.34
Culvers Lake	Delaware	....	....	....	.45	.65	1.73	....	....	.40	.08	....	....	....	....	....	....	T.	....	....	....	.03	....	.08	....	....	....	.58	....	....	.05	....	4.05
Dover	Passaic	....	....	.51	....	.95	.08	....	....	*	.60	....	.11	....	....	....	....	....	.10	....	....	.05	....	....	.03	....	*	1.25	....	....	....	.06	3.74
Layton(near)	Delaware	....	....	....	.50	.40	.80	....	....	.30	.15	....	....	....	....	....	....	.04	....	....	....	.07	.03	.08	....	....	....	.32	....	....	....	.04	2.73
Long Valley	Raritan	....	....	....	.42	.63	1.42	....	....	.20	.20	....	.07	....	....	....	....	....	.13	....	....	T.	T.	T.	T.	....	....	1.27	....	T.	T.	....	4.34
Newton	Delaware	....	....	....	.33	.48	1.44	....	....	.25	.12	....	.03	....	....	....	....	.02	.04	....	....	.04	.05	.04	.02	....	....	.45	....	....	....	.03	3.34
Phillipsburg	...do	....	....	.08	.29	1.10	.40	....	....	.22	.31	....	.12	....	T.	....	....	T.	.02	....	....	T.	....	T.	....	T.	.12	.57	....	....	....	.13	3.36
Sussex	Hudson	....	....	....	1.45	1.05	1.36	....	....	.38	.29	....	.01	....	....	....	....	T.	.06	.01	....	.05	....	.15	.20	....	....	.10	....	....	....	....	5.11
The Red Sandstone Plain.																																	
Boonton ||||	Passaic	....	....	....	.66	.48	.91	T.	....	.05	.51	....	....	.02	....	....	....	....	T.	.01	....	....	T.	....	.03	....	....	1.05	....	....	....	T.	3.72
Canoe Brook ||||	....do	....	....	....	.20	.30	.70	....	.17	....	.23	....	.03	....	....	....	....	....	....	.03	.02	....	....	....	.02	....	....	1.10	....	....	....	....	2.84
Chatham ||||	....do	....	....	....	.67	.28	.82	.01	....	.12	.25	....	T.	.12	....	....	....	....	.02	.09	.09	....	.01	....	T.	....	....	1.18	....	....	....	.04	3.70
Elizabeth	Coast	....	....	....	.24	.63	.41	....	....	.26	.10	....	.08	....	....	....	....	....	.07	.01	.01	.06	T.	....	....	....	....	....	....	....	....	.02	1.89
Flemington	Raritan	....	....	....	.33	.79	.46	....	....	.15	.30	....	.13	....	....	....	....	....	.05	....	....	T.	....	T.	....	....	....	1.04	....	....	....	.02	3.27
Jersey City	Coast	....	....	....	.19	.80	.19	....	....	.16	.10	....	.06	....	....	....	....	....	.01	.01	....	.02	....	T.	....	....	....	1.01	....	....	....	.02	2.57
Lambertville(nr.)	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.53
Little Falls ||||	Passaic	....	....	....	.70	.35	1.10	.01	....	.16	.37	....	.02	.02	....	....	....	....	.01	.03	.01	....	.03	....	.03	....	....	1.53	....	....	....	.01	4.38
Newark***	Coast	....	....	.08	.13	1.21	.03	....	T.	.30	.11	....	.10	....	T.	....	....	T.	.05	.03	....	.02	....	T.	....	....	.29	.35	....	T.	....	.03	2.73
New Brunswick	Raritan	....	....	....	.21	.58	.38	....	....	.21	.18	....	.01	....	....	....	....	....	.03	T.	....	T.	T.	T.	....	T.	....	1.05	....	....	....	.03	2.68
New Milford**	Hackensack	....	....	.15	.47	1.46	.12	....	....	.25	.15	....	.08	....	....	....	....	....	.02	.05	....	.06	....	.06	....	....	.23	.89	....	....	....	.04	4.03
Paterson	Passaic	....	....	....	.77	1.36	.37	....	....	.26	.27	....	.09	....	....	....	....	T.	.05	.03	T.	.05	....	.09	....	....	....	1 36	....	....	....	.09	4.79
Plainfield	Raritan	....	....	.02	.43	.55	.27	....	....	.21	.16	....	.07	....	....	....	....	T.	.05	.01	....	.01	....	T.	....	....	....	1.25	....	....	....	.02	3.05
Ridgefield**	Hackensack	....	....	*	.47	.47	.37	....	T.	.19	.22	....	.10	....	....	....	....	.03	.01	.07	.01	.03	....	.04	....	....	T.	1.10	....	....	....	.03	3.14
Somerville(near)	Raritan	....	....	....	.36	2.90	T.	....	....	.11	.20	....	.30	....	....	....	....	....	....	....	....	T.	....	T.	....	....	....	....	....	....	....	T.	3.87
Woodcliff Lake**	Hackensack	....	....	.11	.54	1.55	.12	....	....	.31	.18	....	.05	....	....	....	....	....	.02	.04	....	.04	....	.08	....	....	.17	.84	....	....	....	.04	4.09
New York, N. Y***	Coast	....	....	.03	.15	.41	.07	....	T.	.27	.04	....	.08	....	....	....	....	....	.02	.06	....	.02	....	.01	....	....	.30	.69	....	T.	....	.03	2.18
The Southern Interior.																																	
Belleplain	Tuckahoe	....	....	....	..	.08	.46	....	....	.33	....	....	....	....	....	....	....	....	.07	....	....	....	....	....	.03	T.	....	.80	....	....	.27	....	2.04
Bridgeton	Delaware	....	....	....	.06	.15	.53	....	....	.23	.05	....	....	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	.79	....	....	.24	....	2.05
Burlington	Delaware	....	....	....	.23	.21	.68	....	....	.14	.21	....	.30	....	....	....	....	....	.20	....	....	T.	....	T	....	....	....	.72	....	....	T.	T.	2.69
Camden**	..do	....	....	.13	T.	.68	.05	....	....	.22	.21	....	T.	....	....	....	....	....	T.	T.	....	T.	....	.02	....	....	.46	.39	....	.09	....	T.	2.25
Clayton	....do	....	....	....	.18	.25	.60	....	....	.22	.17	....	T.	....	....	....	....	....	....	....	....	....	....	T.	....	....	....	1.00	....	....	.18	....	2.60
Freehold	Raritan	....	....	....	....	.54	.38	....	....	.27	.12	....	.03	....	....	....	....	....	....	T.	....	.02	....	....	....	....	....	1.02	....	....	.03	.02	2.43
Hammonton	Mullica	....	....	....	.61	.41	.45	....	....	.14	.31	....	....	....	....	....	....	....	....	....	....	T.	T.	T.	....	....	....	.91	....	....	.21	....	3.04
Hightstown	Raritan	....	....	....	.18	.45	.32	....	....	.22	.16	....	.03	....	....	....	....	....	.01	T.	T.	T.	T.	T.	....	....	....	.84	....	....	T.	T.	2.21
Indian Mills	Mullica	....	....	....	.09	.33	.40	....	....	.16	.21	....	.02	....	....	....	....	T.	.02	T.	....	T.	....	.01	....	....	....	.87	....	....	.12	....	2.23
Lakewood	Metedeconk	....	....	....	....	.06	.45	....	....	.32	.12	....	.06	....	....	....	....	....	T	.03	....	.02	....	....	....	....	....	.02	....	....	.12	T.	1.16
Moorestown ||||	Delaware	....	....	....	.18	.10	.73	....	....	.08	.20	....	....	....	....	....	....	....	T.	....	....	....	....	....	.02	....	....	.68	....	....	....	....	1.99
Northfield	Coast	....	....	....	.11	.02	.32	....	....	.20	T.	....	....	....	....	....	....	....	T	T.	....	T.	....	....	....	.01	....	.78	....	....	.22	....	1.66
N. Merchantville	Delaware	....	....	T.	.20	.18	.57	....	....	.19	.13	....	.03	....	....	....	....	....	T.	T.	....	T.	T.	.03	....	....	....	.85	....	....	.02	T.	2.25
Pemberton	Delaware	....	....	....	.09	.31	.35	....	....	.14	T.	....	.01	....	....	....	....	....	T.	T.	....	T	T.	T.	T.	....	....	.74	....	....	.03	....	1.67
Pleasantville ||||	Coast	....	....	....	.09	.02	.33	....	....	.22	.02	....	....	....	....	....	....	....	.02	....	T.	...	T.	....	.01	.01	....	.88	....	....	.24	....	1.84
Runyon	Coast	....	....	....	.12	.48	.33	....	....	.16	.20	.04	....	....	....	....	....	....	....	.02	....	....	....	....	....	....	....	.92	....	....	....	....	2.27
Trenton***	Delaware	....	....	.05	.19	.70	.06	....	....	.14	.09	....	.02	....	....	....	....	T	.01	T.	....	T.	....	T.	....	....	.29	.56	....	....	....	T.	2.11
Trenton No. 2**	....do	....	....	.07	.24	.58	.22	....	....	.14	.10	....	.01	....	....	....	....	T.	.02	T.	....	T.	...	T.	....	....	.36	.60	....	T.	....	T.	2.34
Tuckerton	Coast	....	....	....	.18	.11	.46	....	....	.14	....	....	....	....	....	....	....	....	.01	T.	....	....	....	....	....	....	....	.83	....	....	.16	....	1.89
Phila., Pa***	Delaware	....	....	.19	.05	.85	.04	....	....	.20	.12	....	.02	....	....	....	....	....	T.	T.	....	T.	....	.02	....	....	.29	.44	....	T	....	T.	2.22
The Sea Coast.																																	
Atlantic City***	Coast	....	....	.02	.10	.31	.24	....	....	.25	T.	....	T.	....	....	....	....	....	T.	.02	....	T.	....	T.	T.	....	.26	.40	....	.22	....	....	1.82
Long Branch**	....do	....	....	.04	.09	.26	.25	....	....	.37	T.	....	.02	....	....	....	....	T.	T.	.05	....	.01	....	T.	....	....	.32	.83	....	.06	....	.01	2.31
Sandy Hook***	....do	....	....	.01	.10	.24	.15	....	T.	.30	.02	....	.03	....	....	....	....	T.	.03	.04	....	T.	....	T.	T.	....	.29	.80	....	.03	T.	.03	2.07

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. *** Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. || Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. § Incomplete or missing. * Precipitation included in the next following measurement. **Precipitation for 24-hour period from midnight to midnight. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville**	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ** Observations taken in morning, and entered on preceding day. *** Pan overflowed.

Daily Temperatures for December, 1938

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
The Highlands and Kittatinny Valley.																																	
Belvidere............	Maximum....	36	36	42	52	54	50	45	50	52	48	49	50	47	43	40	30	36	40	40	37	35	33	33	35	39	40	39	30	31	31	31	40.5
	Minimum	30	12	13	36	40	40	34	28	41	40	30	31	27	22	21	15	25	31	30	23	23	25	19	24	25	18	28	17	14	21	19	25.9
Charlotteburg.........	Maximum....	44	32	57	57	55	56	49	49	49	46	43	46	48	48	47	33	38	38	36	36	37	30	27	39	39	36	46	39	30	30	33	41.7
	Minimum	27	11	27	45	45	37	35	21	43	38	31	29	26	22	12	9	27	31	29	23	18	22	11	20	25	12	30	11	7	24	11	24.5
Dover................	Maximum....	39	42	45	55	54	55	49	50	48	48	40	47	40	41	33	42	39	38	35	48	41	31	25	35	40	35	47	27	30	31	33	40.7
	Minimum	23	11	12	32	31	39	29	24	45	38	32	31	27	24	19	12	29	32	28	22	21	18	17	24	27	15	22	16	12	16	18	24.1
Layton(near).........	Maximum....	39	29	35	56	43	49	51	51	45	46	42	44	39	42	36	34	32	35	36	39	30	30	22	35	39	34	44	22	30	30	30	37.7
	Minimum	21	1	5	32	26	39	30	22	37	38	26	26	24	23	13	6	22	29	29	19	17	19	15	22	19	10	22	16	7	14	10	20.6
Long Valley..........	Maximum....	36	30	36	52	54	46	46	48	46	46	42	45	40	42	28	30	39	34	32	33	32	25	24	36	40	36	35	26	32	28	33	37.2
	Minimum	25	10	20	36	35	38	32	28	41	40	30	31	25	21	20	12	25	26	26	24	21	21	18	22	23	18	23	12	12	21	15	24.2
Newton..............	Maximum....	40	29	41	55	50	52	49	50	43	45	41	45	38	40	36	32	33	33	35	38	28	29	23	33	38	40	44	27	29	29	32	38.0
	Minimum	26	7	11	36	33	38	35	30	40	37	30	30	24	23	17	11	22	29	29	23	22	20	16	20	25	22	18	13	12	18	14	23.6
Phillipsburg....	Maximum....	39	29	40	40	55	54	50	51	49	49	41	47	40	42	38	32	38	38	38	37	34	32	29	35	41	39	46	28	32	34	35	39.7
	Minimum	27	17	16	30	33	41	34	30	44	39	33	33	28	25	22	17	32	34	32	24	26	21	20	27	26	20	25	18	17	22	22	26.9
Sussex...............	Maximum....	39	32	35	56	45	50	50	47	47	45	45	45	40	40	40	32	35	35	35	39	34	33	26	35	34	36	48	33	31	31	33	38.9
	Minimum	22	6	6	34	22	36	37	26	40	40	30	30	25	22	19	13	25	29	31	22	22	22	23	20	19	14	21	17	12	19	15	23.2
The Red Sandstone Plain.																																	
Boonton§§...........	Maximum....	37	33	49	56	56	48	50	52	48	49	41	48	41	42	31	34	39	37	36	38	31	31	27	37	40	43	48	28	33	32	34	40.3
	Minimum	30	10	11	25	31	43	35	26	27	42	32	31	30	23	21	12	12	30	34	23	23	25	17	21	26	19	19	19	14	16	16	24.0
Canoe Brook§§........	Maximum....	39	33	53	58	56	48	51	54	51	50	41	45	43	44	33	37	40	37	36	41	31	32	29	38	35	47	52	29	34	33	36	41.5
	Minimum	22	6	6	26	29	40	34	21	30	31	27	22	25	20	13	8	20	27	30	12	16	22	12	21	20	23	23	17	10	14	12	20.6
Elizabeth	Maximum....	43	38	45	60	57	56	54	55	52	52	46	50	45	46	39	35	44	49	38	45	39	38	37	46	42	39	57	43	37	35	37	45.1
	Minimum	28	12	17	39	32	42	34	28	46	42	30	30	25	22	21	18	32	25	33	23	22	24	17	25	17	27	35	19	15	18	20	26.4
Flemington	Maximum....	41	32	41	61	52	56	55	52	51	51	47	50	44	47	38	36	41	41	38	43	34	35	28	38	45	38	52	35	35	36	38	42.9
	Minimum	30	14	11	37	31	42	34	27	46	42	31	32	28	24	21	15	29	35	33	27	26	26	20	27	28	18	34	18	14	23	18	27.1
Jersey City...........	Maximum....	45	35	48	60	57	57	53	54	53	53	48	50	43	47	34	35	45	43	38	41	37	34	30	40	44	41	53	31	36	36	37	43.8
	Minimum	34	17	21	46	43	47	39	34	48	45	37	41	32	29	24	20	34	36	36	29	31	28	22	24	32	31	31	20	22	28	23	31.2
Lambertville (near)..	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Little Falls§§.........	Maximum....	40	42	51	58	57	48	52	53	51	50	42	49	41	45	33	37	40	39	37	39	31	38	33	43	45	47	50	30	37	36	41	43.1
	Minimum	27	10	11	26	33	42	37	35	34	42	33	33	26	26	20	13	20	31	33	22	21	24	17	22	29	18	26	13	14	21	17	25.0
Newark...............	Maximum....	41	31	52	58	56	57	52	54	49	53	43	50	42	45	32	35	44	40	37	39	32	33	29	39	43	41	52	29	35	34	35	42.8
	Minimum	26	16	21	41	38	42	37	32	45	41	34	35	29	26	24	19	35	35	33	31	28	23	23	28	28	24	25	19	19	24	22	29.1
New Brunswick.... ..	Maximum....	43	34	44	53	59	58	51	50	49	53	46	47	43	44	40	32	44	40	36	36	34	32	28	35	40	37	52	35	31	31	35	41.7
	Minimum	31	15	18	42	33	42	34	27	46	41	32	33	28	25	23	16	31	34	33	24	22	25	19	26	28	18	35	18	14	22	19	27.5
Paterson..............	Maximum....	42	31	42	57	55	55	52	53	51	50	45	49	41	45	41	33	42	41	37	38	32	33	29	38	42	43	50	32	34	33	33	41.9
	Minimum	30	15	18	40	35	41	39	30	47	43	34	36	30	26	22	18	30	35	34	26	26	26	20	24	29	25	26	19	18	23	21	28.6
Plainfield............	Maximum....	42	33	45	59	58	57	52	57	50	51	42	50	42	46	38	36	44	40	37	41	32	35	27	39	44	41	53	30	35	35	35	42.8
	Minimum	29	17	19	38	32	42	34	30	46	42	32	34	29	25	24	16	32	35	34	25	25	24	20	26	29	19	28	18	16	20	20	27.7
Ridgefield............	Maximum....	37	29	54	67	57	57	52	53	48	53	43	48	40	43	31	33	42	38	36	38	30	32	26	36	40	40	52	29	34	33	34	41.1
	Minimum	21	14	17	42	35	41	37	31	45	37	34	34	29	27	22	16	33	33	28	26	25	21	19	24	29	24	23	19	17	25	21	27.4
Somerville(near).....	Maximum....	40	31	43	60	62	62	54	61	50	52	44	50	43	45	40	34	42	41	36	41	34	34	31	39	43	37	52	33	34	35	35	43.2
	Minimum	28	9	16	32	50	43	36	37	38	34	29	30	27	30	22	28	29	31	25	30	22	23	20	25	25	35	32	23	20	20	18	28.0
New York, N. Y......	Maximum....	41	34	52	58	57	56	51	56	52	53	43	48	43	44	34	40	47	38	36	41	39	33	33	41	42	41	52	31	38	37	36	43.5
	Minimum	24	18	26	44	47	42	39	44	46	41	37	35	30	29	23	22	36	33	32	29	28	22	21	30	31	31	24	19	21	27	24	30.8
The Southern Interior.																																	
Belleplain............	Maximum....	46	39	53	56	61	58	53	59	56	53	51	49	48	47	41	37	51	47	41	41	43	41	36	....	41	43	55	46	44	40	42	47.3^{a}
	Minimum	31	20	24	42	35	43	31	26	42	41	29	34	25	18	22	17	29	36	25	24	19	26	18	30	21	18	40	18	8	19	14	26.6
Bridgeton.............	Maximum....	43	39	53	53	59	56	55	62	54	62	51	45	43	50	42	38	47	44	38	38	43	40	34	41	43	42	53	35	39	36	42	45.8
	Minimum	33	20	25	40	38	42	30	31	45	42	33	36	28	23	24	20	30	34	27	26	23	28	22	32	25	22	35	19	14	17	17	28.4
Burlington...........	Maximum....	43	37	42	52	58	58	47	53	53	48	48	45	45	39	39	33	42	43	37	38	37	35	31	40	42	43	54	37	39	39	37	43.0
	Minimum	32	17	17	39	36	41	32	27	40	42	29	29	29	24	23	19	31	35	33	27	24	27	20	27	26	19	36	19	13	25	22	27.7
Clayton..............	Maximum....	44	35	50	64	63	56	52	59	53	53	49	48	46	46	40	37	45	43	39	39	41	40	34	40	42	42	54	42	39	37	40	45.5
	Minimum....	33	18	20	49	34	35	29	30	45	41	30	33	27	32	20	11	29	35	25	25	22	27	19	26	27	20	37	17	13	13	15	27.0
Freehold.............	Maximum....	42	32	44	54	59	57	51	56	50	56	46	46	43	43	38	32	48	41	36	39	34	33	29	39	42	40	53	33	36	35	37	42.7
	Minimum	31	17	17	44	40	41	32	33	47	41	32	33	27	24	22	16	31	33	32	24	25	25	18	28	27	24	33	18	15	22	20	28.1
Hammonton....	Maximum....	47	37	49	67	67	58	53	60	57	54	53	48	47	48	40	38	47	43	38	46	40	40	33	42	43	55	42	42	47	38	42	47.1
	Minimum	29	16	15	41	34	49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	29	18	27	25	35	19	18	12	15	12	......
Hightstown...........	Maximum....	41	32	45	54	60	58	50	56	50	53	47	47	44	44	40	34	44	41	36	39	34	34	28	37	42	40	53	35	35	34	36	42.7
	Minimum	30	14	15	40	35	40	33	28	44	41	31	32	26	24	22	16	30	34	33	24	24	26	18	27	26	19	34	18	15	24	20	27.2
Indian Mills..........	Maximum....	43	34	49	60	60	58	53	59	51	54	49	47	44	46	36	35	44	41	37	40	38	36	30	41	43	41	55	34	39	36	41	44.3
	Minimum	28	16	15	44	34	41	31	27	44	42	30	30	24	20	20	15	29	35	34	25	22	27	18	28	24	17	34	19	12	16	15	26.3
Lakewood............	Maximum....	41	32	49	60	59	57	54	57	51	54	48	46	45	45	38	33	52	44	38	41	36	36	30	44	42	41	55	38	37	36	38	44.4
	Minimum	32	18	21	44	34	43	32	26	49	42	32	30	28	19	23	18	30	36	35	26	23	25	19	29	26	18	37	20	14	17	16	27.8
Moorestown..........	Maximum....	38	31	53	56	59	55	52	58	50	50	45	48	40	46	35	38	42	38	37	39	37	35	30	38	41	45	56	28	38	36	38	43.0
	Minimum	34	17	21	37	35	38	32	29	48	40	33	34	30	25	21	18	30	35	29	26	28	20	20	26	28	21	23	17	16	23	23	27.6
N. Merchantville.....	Maximum....	45	36	47	55	59	57	53	58	51	52	48	48	45	47	41	38	44	41	38	40	40	37	30	40	43	42	55	38	39	37	39	44.6
	Minimum	35	18	21	42	36	42	34	32	46	42	34	37	31	27	24	19	31	37	35	29	29	28	22	28	32	24	38	20	18	26	26	30.4
Pemberton............	Maximum....	42	36	48	60	60	58	52	59	54	55	48	47	45	45	40	35	45	43	39	42	38	37	29	39	44	42	54	37	40	38	39	44.8
	Minimum	32	17	22	44	35	41	31	32	45	42	31	31	27	24	24	19	30	35	34	26	24	26	20	27	26	20	37	19	15	19	20	28.2
Pleasantville§§........	Maximum....	40	35	54	55	57	51	53	58	54	51	51	50	43	47	34	41	50	42	38	41	42	38	40	45	43	53	54	31	39	37	41	45.4
	Minimum	34	22	22	31	33	43	32	25	30	44	29	30	23	19	22	19	22	37	28	28	19	26	20	25	23	18	29	20	11	15	16	25.6
Runyon..............	Maximum....	40	42	49	61	61	61	50	51	50	51	54	50	46	40	32	34	38	40	40	42	38	32	28	24	38	52	52	36	34	36	34	43.1
	Minimum	10	5	7	31	28	28	22	21	45	28	27	28	26	22	20	8	18	32	34	16	14	13	8	18	22	30	36	17	7	18	10	20.9
Trenton..............	Maximum....	40	30	53	55	59	53	51	56	50	52	44	47	40	45	33	34	43	39	38	88	36	33	30	38	42	44	52	28	36	35	35	42.2
	Minimum	25	17	24	36	36	42	35	34	46	39	34	34	28	27	24	20	34	35	32	29	29	21	21	29	30	26	26	20	19	27	26	29.2
Trenton No. 2........	Maximum....	39	33	52	54	59	57	53	57	50	52	45	47	43	46	38	35	43	39	37	40	36	35	29	38	43	41	53	29	35	36	37	42.9
	Minimum....	27	15	17	39	36	41	34	30	46	38	33	34	28	26	23	17	31	35	34	26	27	23	20	29	28	21	25	19	17	25	25	28.0
Tuckerton............	Maximum....	44	39	45	59	56	51	45	58	56	58	52	48	48	49	46	36	50	48	41	44	42	39	35	45	45	44	56	42	40	38	38	46.4
	Minimum	32	20	21	42	38	41	36	34	45	43	35	36	35	24	20	16	30	35	33	23	24	26	17	29	26	25	40	19	14	22	20	29.1
Philadelphia, Pa......	Maximum....	42	32	55	53	59	55	52	58	51	51	47	49	42	47	38	37	45	40	39	40	41	37	31	41	43	46	53	29	36	37	38	44.0
	Minimum	28	21	28	38	38	39	36	36	47	40	37	36	31	29	26	23	34	37	33	31	31	23	23	31	34	29	26	20	21	28	29	31.1
The Sea Coast.																																	
Atlantic City..........	Maximum....	42	37	55	55	55	54	52	57	52	54	50	51	44	48	36	44	49	43	39	43	44	38	42	45	44	47	53	30	39	40	43	46.0
	Minimum	30	25	29	46	49	42	40	45	47	40	40	38	31	31	26	23	42	35	33	30	32	24	23	35	31	29	28	21	20	26	29	32.9
Long Branch.........	Maximum....	39	31	52	60	56	55	50	55	50	53	45	45	41	46	35	40	50	42	37	40	38	34	30	40	43	43	53	30	37	33	35	43.2
	Minimum	28	23	28	39	39	39	33	29	47	39	34	34	27	25	24	22	38	36	33	27	27	23	20	30	28	23	26	18	16	19	25	29.0
Sandy Hook..........	Maximum....	40	31	52	55	55	53	50	50	48	53	45	47	40	44	34	39	44	41	39	38	38	35	31	37	41	44	52	29	35	33	36	42.2
	Minimum	28	21	30	42	44	44	37	40	46	42	37	37	31	30	26	23	37	37	36	33	32	24	24	31	32	30	26	21	22	28	28	32.2

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

57.0
nJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION,
A. E. WHITE
TRENTON, N. J.

VOL. XLIII. ANNUAL SUMMARY, 1938. No. 13.

GENERAL SUMMARY.

The month of January was about normal in respect to both temperature and precipitation. The precipitation was well-distributed and mostly in the form of rain. Northern areas of the State, however, experienced some rather heavy falls of snow. These amounts did not remain on the ground very long after their fall due to the rapid advent of warmer weather. February was one of the warmest ones on record since the computation of State means began, the temperature averaging almost five degrees above the normal. The precipitation was below normal, the heaviest amounts being recorded during the latter part of the month. The snowfall was negligible. March was a dry month, the State as a whole only receiving 57% of what might have been expected. The temperature was above normal. The above-normal temperatures continued during April, the month ending up as the warmest April on record since 1921, and the fourth warmest since 1885. Rainfall was below normal, this being the third consecutive dry month. A tornado, rather weak in character, was noted on the 18th, in the vicinity of Stockton. Very little damage was reported from this windstorm but it is mentioned here due to the rarity of its occurrence in this portion of the country. The month of May was nearly normal in respect to both temperature and precipitation and as a result was very favorable to the growth of vegetation. Frosts were fairly numerous but occurred too early to do any material damage. The cranberry bogs, however, did experience a killing frost on the 31st which did a considerable amount of damage to this crop. This June was the wettest on record, the average of 7.79 inches being over four inches above normal. The heaviest falls occurred during the period of the 26th to 28th, when many stations had from six to seven inches. Crops were in some sections adversely affected by this heavy rainfall. The temperature was somewhat below normal. July was another wet month, the State average of 8.84 inches only being exceeded in two cases. The total rainfall for the months of June and July combined was the wettest such period since the beginning of records. The temperature was slightly above normal. The temperature was very much above normal during August, in fact it was the warmest August since 1900. It was a relatively dry month. September was notable for the occurrence of the hurricane on the 21st. Although New Jersey escaped the full brunt of this storm it caused the loss of several lives and an estimated property damage of $2,000,000. Winds of gale force were experienced along the coast where most of the damage was done. The heavy rains accompanying and preceding the hurricane caused considerable flood loss in southern portions of the State. The month as a whole was the wettest September on record. Temperature was below normal. The month of October was warm and dry. Most of the rain fell at either the beginning or end of the month, the middle period being practically devoid of any moisture. Practically all stations experienced killing frost. November was above normal in temperature for the first two decades, but during the last decade it was much below normal, and it was during this period that the record of —7°, the lowest November temperature, was established. The snowfall was heavy; the heaviest since 1898. It all occurred during the period of the 23d to 27th. The precipitation during December was mostly in the form of rain and was below normal in amount The average temperature was above normal.

F. H. T.

COMPARATIVE ANNUAL DATA FOR THE STATE

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Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	63.33	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	49.2	100	−34	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24 3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	35.28	15.6	99	172	89	104
1931	54.4	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.3	110	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
1938	53.3	100	−19	52.52	23.1	133	151	88	126
Period	51.9	110	−34	45.49	29.0	136	158	104	108

Climatological Data for the Year 1938

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
The Highlands and Kittatinny Valley.																				
Belvidere	Warren	289	47	52.3	......	......	−4	Jan. 19	47	56.81	9.63	June	2.32	Aug.	31.0	......	196	45	124	......
Charlotteburg	Passaic	760	46	50.5	93	Aug. 15†	−12	do. 19	46	53.32	9.20	July	2.05	Mar.	39.5	131	169	59	137	w.
Culvers Lake	Sussex	760	......	......	......	......	......	......	37	57.90	11.26	June	1.99	Feb.	......	......	......	......	......	......
Dover	Morris	600	54	50.7	89	Aug. 3†	−7	do. 19	54	55.17	9.34	July	1.99	Oct.	34.3	145	63	169	133	......
Layton [near]	Sussex	480	37	49.8	95	Aug. 15	−19	Jan. 19	37	53.22	9.64	Sept.	2.12	Mar.	47.9	118	108	76	181	sw.
Long Valley	Morris	660	8	......	93	Aug. 5†	−8	do. 19	8	56.66	10.23	June	2.06	Oct.	......	......	......	......	......	ne.
Newton	Sussex	769	55	50.2	93	Aug. 16	−9	do. 19	52	54.95	10.29	do.	2.19	Feb.	52.8	149	115	101	149	sw.
Phillipsburg	Warren	182	47	52.7	96	do. 15	−1	do. 19	55	54.88	9.27	do.	2.27	do.	25.8	141	179	63	123	......
Sussex	Sussex	450	40	......	......	......	−14	do. 19	43	54.26	8.98	do.	2.34	Oct.	43.3	......	......	......	......	......
Means and extremes	......	......	......	51.0	96	Aug. 15	−19	Jan. 19	......	55.24	11.26	June	1.99	*Feb.	39.2	137	138	86	141	......
The Red Sandstone Plain.																				
Boonton	Morris	280	30	51.0	95	Aug. 16	−3	Jan. 19	48	51.37	9.30	July	1.95	Feb.	......	131	173	25	167	ne.
Canoe Brook	Essex	180	8	50.6	95	do. 17†	−15	do. 19	8	54.11	9.97	Sept.	2.04	Oct.	......	134	184	85	96	w.
Chatham	Morris	185	......	......	......	......	......	......	34	56.52	10.80	do.	2.06	do.	......	144	174	99	92	......
Elizabeth	Union	34	54	54.4	97	Aug. 3	3	Jan. 19	59	49.17	9.86	do.	1.23	Aug.	31.3	148	182	35	148	ne.
Flemington	Hunterdon	140	41	54.5	100	do 15	−2	do. 19	52	51.66	10.76	do.	2.12	Mar.	23.7	132	215	55	95	w.
Jersey City	Hudson	81	40	......	97	Aug. 15	......	......	40	49.12	9.46	Sept.	1.76	Oct.	29.1	136	139	111	115	nw.
Lambertville [near]	Hunterdon	430	51	......	93	do. 15	......	......	51	55.20	11.99	July	2.29	Mar.	......	......	......	......	......	......
Little Falls	Passaic	157	24	52.8	95	do. 3†	−6	Jan. 19	35	51.29	9.22	Sept.	1.98	Oct.	28.1	149	138	105	122	w.
Newark	Essex	10	4	53.9	95	do. 3†	3	do. 19	4	42.76	7.96	July	1.77	do.	26.0	137	87	121	157	......
New Brunswick	Middlesex	86	81	53.2	94	do. 15	1	do. 19	85	48.62	10.28	Sept.	1.70	Aug.	21.6	136	168	109	88	nw.
New Milford	Bergen	12	......	......	......	......	......	......	20	51.94	9.63	July	1.72	Oct.	......	132	......	......	......	......
Paterson	Passaic	95	68	54.4	96	Aug. 3†	1	Jan. 19	68	55.17	8.62	June	1.85	do.	34.3	145	169	72	124	nw.
Plainfield	Union	120	47	53.7	96	do. 3	3	do. 19	50	57.04	14.27	July	1.68	Aug.	28.8	145	126	104	135	nw.
Ridgefield	Bergen	80	21	53.0	94	do. 15	1	do. 19	21	50.69	8.47	Sept.	1.86	Oct.	34.0	144	130	110	125	nw.
Somerville [near]	Somerset	385	52	52.7	94	do. 15	−1	do. 19	54	52.12	9.75	July	1.24	Aug.	......	......	108	102	155	sw.
Woodcliff Lake	Bergen	103	......	......	......	......	......	......	20	52.01	8.64	do.	1.74	Oct.	......	132	......	......	......	......
New York, N.Y.	......	10	68	54.4	93	Aug. 15	5	Jan. 18	68	46.40	8.77	Sept.	1.63	Oct.	25.0	139	99	115	151	n.
Means and extremes	......	......	......	53.1	100	Aug. 15	−15	Jan, 19	......	51.80	14.27	July	1.23	Aug	23.5	139	153	87	125	nw.
The Southern Interior.																				
Belleplain	Cape May	49	......	......	......	......	......	......	44	45.25	9.95	July	1.65	Apr.	5.9	......	......	......	......	sw.
Bridgeton	Cumberland	30	50	56.2	98	July 10	11	Jan. 19	55	47.43	9.99	Sept	1.57	Aug.	18.6	118	192	72	101	nw.
Burlington	Burlington	12	26	54.9	98	Aug. 15	8	do. 19	52	57.41	10.36	do.	2.35	Apr.	15.4	138	184	57	124	sw.
Camden	Camden	20	......	......	......	......	......	......	6	49.04	7.95	July	1.55	Mar.	16.9	118	148	64	153	sw.
Freehold	Monmouth	194	7	54.0	94	Aug. 15	3	Jan. 19	34	54.65	10.03	June	1.73	Mar.	14.4	137	220	62	83	w.
Hammonton	Atlantic	95	6	......	96	July 10	6	Nov. 26	32	55.83	12.46	July	1.68	Apr.	26.2	117	166	98	101	w.
Hightstown	Mercer	110	42	53.4	96	Aug. 15	0	Nov. 26	44	54.22	11.31	Sept.	1.53	Mar.	17.2	144	155	101	109	sw.
Indian Mills	Burlington	100	49	54.6	97	do. 3†	0	do. 26	48	53.97	11.00	do.	1.93	Aug.	23 0	......	......	......	......	sw.
Lakewood	Ocean	54	34	54.7	96	Aug. 15	10	Jan. 19†	34	54.62	11.79	Sept.	1.16	Dec.	13 0	133	131	83	151	sw.
Moorestown	Burlington	62	75	54.0	95	do. 15	8	do. 19†	75	49.57	9.44	do.	1.59	Mar,	19.8	121	130	85	150	s.
Northfield	Atlantic	25	......	......	......	......	......	......	31	47.18	10.04	do.	1.66	Dec.	11.5	122	......	......	......	......
N. Merchantville	Camden	63	4	56 3	96	July 10†	9	Jan. 19	4	52.26	9.41	do.	1.53	Mar.	23.7	127	111	106	148	ne.
Pemberton	Burlington	55	8	55.0	97	Aug. 15†	4	Nov. 26	8	51.36	10.39	do.	1.15	do.	12.7	126	164	73	128	sw.
Pleasantville	Atlantic	8	15	53.3	96	Aug. 15	9	Jan. 10	40	47.62	10.33	Sept.	1.84	Dec.	......	138	204	63	98	s.
Runyon	Middlesex	18	14	51.7	97	July 17	−7	Nov. 26	15	51.69	9.39	do.	2.14	Mar.	......	119	194	112	59	w.
Trenton	Mercer	56	67	54.3	95	Aug. 15	7	Jan. 19	66	49.46	9.04	do.	1.59	do.	20.3	133	79	116	170	s.
Trenton No. 2	Mercer	105	2	54.3	96	do. 15	6	do. 19	10	56.24	10.19	do.	1.80	do.	21.8	129	......	......	......	......
Tuckerton	Ocean	23	40	55.1	97	do. 16	11	Jan. 28	45	48.29	10.48	do.	0.90	do.	5.4	132	194	72	99	nw.
Philadelphia, Pa	......	26	67	56.0	95	Aug. 16	11	Jan 19	67	46.92	10.06	June	1.83	Mar.	20.0	130	103	114	148	sw.
Means and extremes	......	......	......	54.4	98	July 10†	−7	Nov. 26	......	51.45	12.46	July	0.90	Mar.	16.6	128	162	83	120	sw.
The Sea Coast.																				
Atlantic City	Atlantic	8	65	54.9	95	Aug. 16	17	Mar. 4	65	49.14	11.76	Sept.	1.82	Dec.	7.8	134	85	124	156	s.
Long Branch	Monmouth	34	30	53.6	95	do. 15	11	Feb. 28	30	62.89	16.17	July	1.78	Mar.	15.7	158	87	128	150	nw.
Sandy Hook	Monmouth	15	40	54.3	93	do. 15	12	Jan. 19	40	50.95	11.15	Sept.	1.89	do.	18 6	147	103	98	164	s.
Means and extremes	......	......	......	54.3	95	Aug. 15†	11	Feb. 28	......	54.33	16.17	July	1.78	Mar.	14.0	146	91	117	157	s.
For the State	......	......	......	53.3	100	Aug. 15	−19	Jan. 19	......	52.52	9.67	Sept.	2.15	Mar.	23.1	133	151	88	126	sw.

† Also on other dates.

* Also October

W. B. O. Philadelphia-5-2-39-1050

Monthly and Annual Precipitation for the Year 1938, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	3.41	−0.35	2.70	−0.86	3.20	−0.49	3.23	−0.53	3.50	−0.04	9.63	+5.63	8.89	+4.35	2.32	−2.25	8.55	+4.81	3.13	−0.69	4.25	+1.06	4.00	+0.09	56.81	+10.73
Charlotteburg	4.89	+1.27	2.14	−1.55	2.05	−1.94	2.92	−1.40	3.32	−0.56	7.55	+3.09	9.20	+4.62	2.92	−1.58	8.43	+4.28	2.86	−1.55	2.70	−0.92	4.34	+0.34	53.32	+4.10
Culvers Lake	*3.89	+0.85	1.99	−0.97	2.06	−1.26	3.13	−0.40	3.96	+0.13	11.26	+6.82	8.37	+3.59	4.37	−0.28	9.13	+5.11	2.52	−1.09	3.17	+0.07	4.05	+0.71	57.90	+13.28
Dover	4.18	+0.18	2.44	−1.33	2.47	−1.55	2.91	−1.15	3.43	−0.20	8.32	+3.89	9.34	+4.13	3.71	−0.79	8.92	+4.84	1.99	−2.15	3.72	+0.17	3.74	−0.44	55.17	+5.60
Layton [near]	4.13	+1.15	2.18	−0.81	2.12	−1.17	3.03	−0.46	2.98	−0.16	8.82	+4.29	8.09	+3.69	3.59	−0.50	9.64	+5.78	2.27	−1.48	3.64	+0.57	2.73	−0.64	53.22	+10.26
Long Valley	4.62	......	*2.30	......	*2.47	......	2.62	......	3.35	......	10.23	......	8.87	... ..	3.40	......	9.30	......	2.06	......	3.10	......	4.34	......	56.66	....
Newton	3.58	+0.28	2.19	−0.96	2.51	−0.88	2.31	−1.22	3.40	−0.21	10.29	+5.81	8.52	+3.69	3.69	−0.66	8.45	+4.69	3.12	−0.53	3.55	+0.48	3.34	−0.07	54.95	+10.42
Phillipsburg	3.17	−0.21	2.27	−1.04	2.85	−0.49	3.61	+0.22	3.29	−0.02	9.27	+5.54	8.60	+4.12	2.61	−1.79	9.20	+5.71	2.81	−0.79	3.84	+1.01	3.36	−0.07	54.88	+12.19
Sussex	3.96	+0.99	2.46	−0.50	2.53	−0.62	3.70	+0.17	3.30	−0.13	6.90	+2.82	8.98	+5.16	*3.84	−0.16	8.19	+4.62	2.34	−1.02	2.95	+0.13	5.11	+2.14	54.26	+13.60
The Red Sandstone Plain.																										
Boonton	3.59	+0.21	1.95	−1.35	1.97	−1.67	3.01	−0.89	3.92	+0.22	7.66	+3.70	9.30	+4.66	2.49	−2.20	8.95	+5.10	2.28	−1.63	2.53	−0.48	3.72	+0.02	51.37	+5.69
Canoe Brook	4.33	......	2.30	......	2.45	......	3.64	......	3.62	.....	7.26	......	8.83	......	3.70	......	9.97	......	2.04	......	3.13	......	2.84	......	54.11	....
Chatham	4.38	+0.41	2.38	−1.49	2.54	−1.50	3.35	−0.87	3.76	−0.16	7.88	+3.92	8.42	+3.48	4.06	−0.59	10.80	+6.58	2.06	−2.05	3.19	−0.25	3.70	−0.47	56.52	+7.01
Elizabeth	3.59	−0.11	2.01	−1.85	2.62	−1.34	3.77	−0.07	3.18	−0.46	6.03	+2.43	9.86	+5.14	1.23	−3.10	9.19	+5.58	1.83	−2.12	3.97	+1.05	1.89	−2.03	49.17	+3.12
Flemington	3.24	−0.23	2.31	−1.01	2.12	−1.54	2.61	−1.01	3.61	+0.09	5.96	+2.35	9.55	+4.70	3.09	−1.43	10.76	+7.12	2.39	−1.12	2.75	−0.20	3.27	−0.39	51.66	+7.33
Jersey City	3.71	+0.01	1.99	−1.94	2.43	−1.59	3.48	−0.27	3.34	−0.11	7.84	+4.06	7.45	+3.10	2.13	−2.20	9.46	+6.06	1.76	−2.34	2.96	−0.04	2.57	−1.08	49.12	+3.66
Lambertville [near]	*3.04	−0.42	2.55	−0.83	2.29	−1.50	2.38	−1.42	3.51	−0.15	7.49	+3.73	11.99	+7.35	3.08	−1.72	9.42	+6.06	*2.47	−1.08	*3.45	+0.45	3.53	−0.17	55.20	+10.30
Little Falls	4.97	+1.30	2.19	−1.61	2.03	−1.74	3.36	−0.80	3.72	−0.22	8.20	+4.18	6.29	+1.57	2.27	−2.69	9.22	+5.54	1.98	−2.61	2.68	−0.72	4.38	+0.44	51.29	+2.64
Newark	3.48	−0.18	1.78	−1.67	2.11	−1.64	2.91	−0.97	2.63	−1.24	5.49	+0.97	7.96	+3.01	1.92	−2.63	6.29	+2.60	1.77	−2.59	3.69	+0.60	2.73	−1.23	42.76	−4.97
New Brunswick	3.34	−0.06	2.12	−1.25	2.21	−1.35	3.00	−0.61	3.55	−0.11	6.03	+2.35	7.77	+2.54	1.70	−3.70	10.28	+6.92	2.30	−1.52	3.64	+0.80	2.68	−0.86	48.62	+3.15
New Milford	3.88	+0.80	1.92	−1.27	1.85	−1.50	3.46	+0.04	4.03	+0.52	8.71	+5.16	9.63	+4.51	2.20	−2.35	8.30	+4.22	1.72	−1.16	2.21	−1.00	4.03	+1.03	51.94	+9.00
Paterson	5.73	+2.18	2.31	−1.67	2.52	−1.43	3.95	+0.12	4.07	+0.30	8.62	+4.92	7.39	+3.09	2.60	−2.03	7.89	+4.28	1.85	−2.26	3.45	+0.33	4.79	+0.94	55.17	+8.77
Plainfield	4.31	+0.66	2.05	−1.70	2.77	−1.19	3.34	−0.45	3.54	−0.19	6.33	+2.46	14.27	+8.72	1.68	−3.42	10.75	+6.72	2.03	−2.05	2.92	−0.13	3.05	−0.82	57.04	+8.61
Ridgefield	3.20	−0.46	2.03	−1.87	2.17	−1.90	3.39	−0.06	3.73	+0.26	7.76	+3.62	6.94	+2.12	4.56	−0.35	8.47	+5.33	1.86	−2.37	3.44	+0.60	3.14	−0.67	50.69	+4.25
Somerville [near]	4.14	+0.62	1.78	−1.67	2.71	−0.96	3.48	−0.18	3.68	+0.14	7.72	+4.21	9.75	+4.51	1.24	−3.68	9.03	+5.31	2.17	−1.41	2.55	−0.42	3.87	+0.16	52.12	+6.63
Woodcliff Lake	4.48	+1.33	1.81	−1.51	1.88	−1.19	3.47	+0.03	4.68	+1.34	7.81	+4.45	8.64	+4.07	2.59	−1.63	8.56	+4.70	1.74	−1.11	2.26	−0.77	4.09	+1.10	52.01	+10.81
New York, N. Y	3.37	−0.29	2.24	−1.58	2.34	−1.30	3.02	−0.21	3.49	+0.25	7.59	+4.26	6.41	+2.17	1.99	−2.34	8.77	+5.38	1.63	−1.90	3.37	+0.41	2.18	−1.44	46.40	+3.41
The Southern Interior.																										
Belleplain	2.88	−0.66	1.86	−1.47	1.77	−1.99	1.65	−2.05	3.78	+0.26	3.81	+0.37	9.95	+5.64	2.86	−1.74	8.54	+5.16	3.21	+0.31	2.90	+0.36	2.04	−1.96	45.25	+2.23
Bridgeton	2.79	−0.66	2.91	−0.31	1.87	−1.97	1.82	−1.78	3.96	+0.69	5.44	+1.52	9.97	+5.52	1.57	−3.10	9.99	+6.68	1.73	−1.37	3.33	+0.73	2.05	−1.65	47.43	+4.30
Burlington	3.15	−0.42	3.90	+0.58	4.30	+0.59	2.35	−1.39	3.47	−0.04	9.08	+5.39	6.88	+1.94	3.49	−2.29	10.36	+6.80	2.64	−0.85	5.10	+2.12	2.69	−1.26	57.41	+11.17
Camden	2.58	......	2.70	......	1.55	......	2.34	......	3.25	......	7.54	......	7.95	.....	4.63	......	7.63	......	2.47	......	4.15	.....	2.25	......	49.04	....
Clayton	.....	......	.....	..	....	......	.....	......	.....	......	....	......	9.64	+5.08	4.23	−0.59	11.02	+7.54	2.79	−0.37	3.08	+0.36	2.60	−1.09	.....	....
Freehold	3.53	−0.43	2.57	−1.57	1.73	−2.92	2.45	−1.19	3.90	+0.12	10.03	+6.42	8.50	+3.24	3.18	−1.41	9.95	+5.66	2.78	−0.93	3.60	−0.42	2.43	−1.29	54.65	+5.28
Hammonton	2.84	−0.90	1.81	−1.43	2.46	−1.46	1.68	−2.10	3.14	−0.47	8.65	+4.89	12.46	+7.92	2.93	−1.95	10.63	+6.42	3.01	−0.84	3.18	+0.14	3.04	−0.94	55.83	+9.28
Hightstown	2.84	−0.63	2.15	−1.24	1.53	−2.25	2.72	−1.17	3.41	−0.20	10.43	+6.67	9.13	+4.21	1.54	−3.48	11.31	+8.10	2.66	−1.04	4.29	+1.38	2.21	−1.33	54.22	+9.02
Indian Mills	3.39	−0.58	2.68	−0.99	1.98	−2.10	1.98	−1.82	3.83	+0.49	10.86	+6.93	7.08	+2.33	1.93	−3.60	11.00	+7.51	3.52	−0.17	3.49	+0.49	2.23	−1.88	53.97	+6.61
Lakewood	3.67	−0.33	2.42	−1.47	1.83	−2.34	2.53	−1.42	3.54	−0.24	8.65	+4.64	9.90	+4.90	2.83	−2.36	11.79	+8.75	2.93	−0.87	3.37	+0.28	1.16	−3.03	54.62	+6.51
Moorestown	2.75	−0.59	2.80	−0.45	1.59	−2.09	2.43	−1.22	3.23	−0.29	9.19	+5.41	6.36	+1.66	3.44	−1.93	9.44	+5.91	2.30	−1.18	4.05	+1.14	1.99	−1.78	49.57	+4.59
Northfield	3.85	+0.71	2.06	−0.78	1.77	−1.67	2.14	−1.18	3.41	+0.17	4.16	+0.87	6.60	+2.46	5.14	+0.62	10.04	+7.19	3.39	+0.19	2.96	+0.25	1.66	−2.11	47.18	+6.72
North Merchantville	2.97	......	2.82	......	1.53	......	2.55	......	3.41	......	8.93	......	7.71	......	3.85	......	9.41	......	2.21	......	4.62	....	2.25	......	52.26	....
Pemberton	3.21	......	2.30	......	1.15	.. ...	2.49	......	3.44	......	9.92	.....	7.91	......	2.00	......	10.39	......	2.38	......	4.50	......	1.67	......	51.36	....
Pleasantville	3.27	+0.07	2.40	−0.50	2.22	−1.19	2.09	−1.33	3.50	+0.32	4.65	+1.15	6.72	+2.66	4.11	−0.55	10.33	+7.36	3.50	+0.17	2.99	+0.17	1.84	−2.09	47.62	+6.24
Runyon	3.58	+0.12	2.36	−1.13	2.14	−0.96	3.22	−0.74	3.56	−0.34	7.15	+3.62	9.18	+3.80	2.29	−3.03	9.39	+5.79	2.90	−0.92	3.65	+0.47	2.27	−1.07	51.69	+5.61
Trenton	2.83	−0.48	2.17	−1.10	1.59	−1.81	2.31	−0.63	2.95	−0.13	9.00	+5.91	8.43	+4.49	3.66	−1.09	9.04	+5.64	2.27	−0.51	3.10	+0.37	2.11	−1.24	49.46	+9.42
Trenton No. 2	3.90	......	2.48	......	1.80	......	2.63	......	3.54	......	9.10	......	10.35	.....	3.12	......	10.19	......	2.85	......	3.94	......	2.34	......	56.24	....
Tuckerton	3.50	−0.17	2.31	−1.18	0.90	−3.23	2.68	−1.09	3.23	−0.21	4.62	+0.89	7.33	+3.35	5.27	−0.03	10.48	+7.22	3.18	−0.44	2.90	−0.10	1.89	−2.44	48.29	+2.57
Philadelphia, Pa	2.32	−0.98	2.54	−0.78	1.83	−1.56	1.92	−1.13	2.86	−0.40	10.06	+6.82	6.52	+2.37	4.10	−0.52	7.35	+4.21	2.09	−0.72	3.11	+0.41	2.22	−1.21	46.92	+6.51
The Sea Coast.																										
Atlantic City	3.26	−0.23	2.19	−1.17	1.97	−1.63	2.20	−0.79	3.56	+0.51	4.61	+1.57	7.08	+3.15	3.91	−0.58	11.76	+9.11	3.19	−0.01	3.59	+0.77	1.82	−2.12	49.14	+8.58
Long Branch	3.83	−0.31	2.52	−1.61	1.78	−2.39	2.92	−1.35	3.93	+0.08	6.39	+2.53	16.17	‡	4.89	−0.59	11.81	+8.62	2.64	−1.75	3.70	+0.14	2.31	−1.84	62.89	+11.85
Sandy Hook	3.33	−0.63	2.22	−1.53	1.89	−2.15	2.31	−1.31	3.32	−0.40	7.00	+3.22	7.27	+2.15	3.56	−1.42	11.15	+7.72	2.09	−1.69	4.74	+1.49	2.07	−1.97	50.95	+3.48

* Interpolated from surrounding stations.

‡ +10.32

Monthly and Annual Mean Temperatures for the Year 1938, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
The Highlands and Kittatinny Valley.																										
Belvidere	28.6	+1.2	[a]34.8	+6.9	42.7	+4.1	53.4	+3.8	60.4	0.0	[e]69.6	+0.7	[i]75.4	+2.2	73.6	+2.8	60.2	−4.8	[a]53.6	+1.5	[a]42.2	+0.8	33.2	+2.4	52.3	+1.8
Charlotteburg	26.9	0.0	33.4	+7.0	41.2	+4.9	50.3	+3.7	57.2	0.0	65.8	+0.8	71.4	+1.5	71.8	+4.3	59.5	−2.6	52.3	+1.0	43.0	+2.6	33.1	+3.0	50.5	+2.2
Dover	[a]27.4	+0.7	[b]32.4	+5.5	41.0	+5.1	[a]50.8	+3.4	56.7	−1.7	[a]66.0	−0.8	72.4	+1.0	72.8	+3.7	59.7	−2.7	53.3	+1.9	43.0	+2.6	32.4	+2.3	50.7	+1.8
Layton [near]	26.3	+1.3	31.3	+6.2	39.6	+3.5	49.2	+2.1	56.6	−0.9	66.4	+0.7	72.0	+1.1	72.6	+4.4	59.6	−3.0	52.6	+1.5	41.6	+2.3	29.2	+1.1	49.8	+1.7
Long Valley	26.6	......	......	......	......	......	51.4	......	57.4	......	66.5	......	73.2	......	73.0	......	60.6	......	53.8	......	41.7	......	30.7	......	......	......
Newton	25.6	−0.3	30.6	+3.6	[a]40.6	+4.6	[a]50.2	+2.2	57.0	−2.4	65.6	−2.4	72.0	−0.5	72.2	+1.9	[a]60.1	−3.7	[f]53.8	+1.0	[a]43.4	+2.6	30.8	+0.6	50.2	+0.6
Phillipsburg	28.8	+0.4	33.8	+5.0	[a]42.5	+3.9	52.6	+3.0	59.9	−1.1	69.3	0.0	75.0	+1.1	[k]76.1	+4.4	62.9	−2.4	55.0	+1.3	42.9	+1.1	33.3	+1.8	52.7	+1.5
Sussex	25.6	−1.2	31.6	+5.1	41.2	+4.3	52.0	+3.6	58.2	−1.1	68.0	+1.2	[a]72.6	+0.6	......	......	......	......	54.4	+1.5	42.8	+1.6	31.0	+1.1	......	......
The Red Sandstone Plain.																										
Boonton	27.0	−0.1	31.0	+3.3	40.4	+5.0	50.8	+2.7	57.2	−1.1	67.0	−0.3	73.2	+1.3	73.9	+3.8	60.6	−2.9	55.0	+3.0	43.2	+2.0	32.2	+2.9	51.0	+1.6
Canoe Brook	26.8	......	32.6	......	40.5	......	49.8	......	56.1	......	66.8	......	72.1	......	73.8	......	[b]62.5	......	53.4	......	41.3	......	31.0	......	50.6	......
Elizabeth	31.7	+1.3	37.2	+6.2	43.7	+4.3	55.0	+4.1	60.0	−1.7	[a]69.8	−0.6	[a]75.0	−0.2	76.8	+3.6	64.2	−2.7	57.2	+1.9	[b]46.4	+2.6	35.8	+2.2	54.4	+1.8
Flemington	30.6	+0.7	35.4	+5.5	44.0	+3.4	53.9	+3.7	61.0	0.0	70.6	+1.1	76.2	+1.7	77.4	+5.1	65.5	−1.0	57.9	+2.3	46.1	+2.8	35.0	+2.5	54.5	+2.3
Jersey City	......	......	......	......	......	......	55.2	+5.0	61.6	+0.3	70.7	−0.2	76.4	+0.6	78.4	+4.8	65.9	−1.6	59.4	+3.2	48.3	+3.8	37.8	+3.3	......	......
Lambertville [near]	......	......	34.7	+4.1	42.2	+2.5	52.6	+2.4	58.4	−2.6	68.0	−1.5	74.3	+0.3	76.2	+4.2	62.4	−3.4	58.0	+3.8	......	......	......	......	......	......
Little Falls	29.4	−0.9	33.6	+4.3	42.8	+5.5	52.8	+4.5	59.1	−0.7	68.8	+0.1	74.6	+0.8	75.2	+4.0	62.7	−4.6	56.3	+3.1	44.5	+2.5	34.0	+1.6	52.8	+1.7
Newark	31.0	+1.2	35.0	+5.8	43.6	+4.3	53.2	+3.0	59.7	−1.4	69.4	−0.2	75.5	−0.1	76.6	+3.9	63.8	−2.9	57.4	+1.7	46.4	+2.7	35.7	+2.3	53.9	+1.7
New Brunswick	31.0	+0.7	35.5	+4.3	42.8	+3.6	53.2	+3.5	59.0	−1.4	68.2	−1.0	74.1	+0.1	75.2	+3.2	63.8	−2.0	56.2	+1.5	45.6	+2.0	34.6	+1.2	53.2	+1.3
Paterson	31.0	+1.1	35.5	+4.9	44.6	+5.2	55.0	+4.3	[a]61.0	−0.5	70.2	+0.2	76.4	+1.9	77.4	+5.2	63.5	−2.9	57.4	+2.2	45.8	+2.1	35.2	+1.8	54.4	+2.1
Plainfield	30.8	+1.0	35.2	+5.9	42.9	+3.8	53.0	+3.6	59.6	−0.2	69.4	+0.8	75.1	+1.5	76.4	+5.0	64.4	−1.1	56.6	+2.8	45.8	+3.2	35.2	+2.4	53.7	+2.4
Ridgefield	29.6	+1.1	33.8	+5.0	42.1	+5.6	52.9	+5.0	59.4	+0.3	69.0	+1.4	74.8	+1.9	75.4	+4.7	63.0	−1.9	56.6	+3.6	45.2	+3.4	34.3	+2.9	53.0	+2.8
Somerville [near]	30.0	+1.0	34.6	+5.2	42.0	+3.2	51.7	+2.2	58.3	−2.2	68.0	−1.2	73.6	−0.4	74.8	+2.6	62.7	−3.4	56.2	+2.1	45.2	+2.5	35.6	+3.1	52.7	+1.2
New York, N. Y.	32.0	+1.1	35.6	+4.3	44.2	+6.5	53.4	+4.0	59.4	−1.2	69.0	+0.2	75.1	+1.3	76.3	+3.2	64.9	−1.9	58.6	+2.3	47.7	+3.5	37.2	+2.2	54.4	+2.1
The Southern Interior.																										
Belleplain	35.6	+2.6	......	......	......	......	......	......	......	......	......	......	[a]76.2	+2.8	75.1	+3.0	66.2	−0.1	56.3	+0.8	48.5	+4.1	[a]37.0	+1.9	......	......
Bridgeton	34.4	+0.7	38.9	+4.8	46.5	+3.9	55.0	+2.7	61.6	−1.9	72.0	−0.1	77.9	+1.4	77.6	+3.0	67.0	−1.4	57.6	+0.4	48.5	+2.8	37.1	+1.0	56.2	+1.4
Burlington	33.4	+0.4	37.8	+5.5	45.2	+3.9	55.3	+3.3	61.4	−1.5	71.2	−0.5	76.3	−0.5	77.0	+2.6	64.2	−3.5	55.6	−1.3	46.1	+1.4	35.4	+0.5	54.9	+0.9
Clayton	......	......	......	......	......	......	......	......	......	......	......	......	76.4	+1.2	76.2	+3.1	65.4	−1.6	56.2	−0.4	47.4	+3.0	36.2	+1.9	......	......
Freehold	32.0	......	36.4	......	43.4	......	53.4		59.8	......	69.0	......	74.4	......	75.4	......	[b]65.6	......	56.4	......	46.7	......	35.4	......	54.0	......
Hammonton	34.3	......	38.6	......	46.4	......	55.2		60.6	......	70.4	......	76.3	......	75.2	......	64.6	......	56.8	......	47.4	......	......	......	......	......
Hightstown	31.7	+1.6	35.9	+5.6	43.2	+2.4	52.8	+2.4	58.8	−2.0	68.4	−0.7	74.7	+0.6	75.4	+3.5	63.5	−3.2	56.4	+1.5	45.4	+1.9	35.0	+2.1	53.4	+1.3
Indian Mills	33.4	+1.3	37.8	+5.3	45.0	+3.9	54.6	+4.1	60.4	−1.3	[l]70.0	+0.1	76.0	+1.5	75.8	+3.4	64.4	−2.0	56.4	+1.2	46.5	+3.0	35.3	+1.3	54.6	+1.8
Lakewood	33.2	+1.7	37.6	+6.6	45.0	+4.7	54.8	+5.3	60.2	+0.2	69.8	+1.6	75.8	+2.8	75.6	+4.7	64.3	−0.7	56.8	+2.6	47.2	+4.0	36.1	+2.2	54.7	+3.0
Moorestown	32.4	+1.5	37.0	+5.2	44.5	+4.7	53.0	+2.5	59.8	−1.4	69.2	−1.0	75.0	+0.3	75.6	+3.1	64.0	−2.3	56.2	+1.3	45.6	+2.7	35.3	+1.6	54.0	+1.5
N. Merchantville	34.0	......	38.0	......	46.4	......	56.1	......	62 8	......	72.0	......	77.4	......	77.8	......	66.4	......	58.4	......	48.8	......	37.5	......	56.3	......
Pemberton	33.2	......	37.8	......	45.2	......	55.0	......	60.8	......	69.8	......	75.0	......	76.5	......	65.4	......	57.6	......	47.4	......	36.5	......	55.0	......
Pleasantville	[a]31.8	−2.0	36.4	+3.4	43.8	+3.5	52.0	+3.6	56.8	−2.0	67.6	−0.7	74.1	+0.9	74.2	+2.5	64.2	−2.1	56.3	+1.6	47.0	+1.9	35.5	+0.2	53.3	+0.9
Runyon	28.8	−2.4	35.2	+5.2	41.0	+0.6	53.0	+4.6	56.6	−2.8	67.0	−1.6	73.0	0.0	74.2	+2.7	62.0	−2.7	56.0	+3.4	42.0	−1.5	32.0	−0.2	51.7	+0.4
Trenton	32.2	+1.7	35.6	+4.9	44.0	+4.9	53.5	+3.7	60.1	−1.0	69.9	+0.4	76.0	+1.5	76.6	+3.6	64.4	−2.5	57.4	+1.8	46.5	+2.1	35.7	+1.3	54.3	+1.9
Trenton No 2	32.0	......	35.8	......	44.1	......	53.7	......	60.7	......	70.2	......	75.8	......	76.6	......	64.2	......	[a]56.9	......	45.8	......	35.4	......	54.3	......
Tuckerton	36.6	+3.7	40.6	+8.2	45.0	+3.9	54.0	+4.4	59.7	−0.1	67.5	−1.3	74.2	+0.2	75.0	+2.6	65.5	−1.2	57.2	+1.8	48.6	+3.9	37.8	+2.6	55.1	+2.4
Philadelphia, Pa.	33.6	+1.0	37.4	+3.5	45.8	+5.0	55.2	+3.1	61.5	−1.4	71.3	−0.1	77.2	+1.0	78.4	+3 6	66.3	−1.7	59.3	+1.5	48.6	+2.9	37.6	+1.3	56.0	+1.6
The Sea Coast.																										
Atlantic City	35.8	+3.3	38.8	+5.2	44.0	+5.4	52.0	+4.2	59.4	+1.3	67.1	+0.5	73.0	+0.9	75.0	+2.5	67.0	+0.2	57.8	+0.9	50.0	+4.4	39.4	+3.0	54.9	+2.6
Long Branch	32.6	+1.1	36.8	+5.6	43.4	+4.0	52 2	+4.0	58.0	0.0	67.4	+0.3	74.6	+2.5	75.0	+4.2	64.1	−1.8	57.1	+1.7	46.5	+2.3	36.1	+1.9	53.6	+2.2
Sandy Hook	32.6	+1.3	35.5	+3.4	42.8	+3.5	51.9	+3.6	58.2	−0.2	68.3	+0.5	75.3	+1.8	76.4	+3.9	65.8	−1.7	58.9	+2.0	48.4	+2.6	37.2	+2.0	54.3	+1.9

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
The Highlands and Kittatinny Valley			*The Southern Interior*		
Belvidere	May 13	Oct. 8	Belleplain	....	Oct. 5*
Charlotteburg	do. 31	Sept. 10*	Bridgeton	Apr. 11*	Nov. 1*
Dover	do. 14	Oct. 4*	Burlington	do. 7*	do. 1*
Layton	do. 14	do. 2	Camden	do. 11*	....
Long Valley	do. 13	do. 8*	Freehold	do. 11	Nov. 10
Newton	Apr. 11*	do. 7*	Hammonton	do. 11	do. 1
Phillipsburg	do. 11*	do. 8*	Hightstown	do. 11	do. 10
Sussex	May 14*	....	Indian Mills	do. 24*	do. 1
The Red Sandstone Plain			Lakewood	Apr. 24	do. 1
			Moorestown	do. 11	do. 1*
			N. Merchantville	do. 11*	do. 10
Boonton	May 14*	Oct. 5*	Pemberton	do. 11*	do. 1*
Canoe Brook	do. 14*	do. 2*	Pleasantville	do. 11*	do. 1*
Elizabeth	Apr. 11*	do. 8*	Runyon	May 13*	Oct. 1*
Flemington	do. 11	Nov. 24*	Trenton	Apr. 6*	Nov. 24*
Jersey City	do. 11	do. 24*	Tuckerton	do. 11*	do. 15*
Lambertville	do. 11	do. 1			
Little Falls	May 13	Oct. 8*	*The Sea Coast*		
Newark	Apr. 7*	Nov. 15*			
New Brunswick	do. 11	do. 21			
Paterson	do. 11*	do. 15*	Atlantic City	Mar. 28*	Nov. 25*
Plainfield	do. 11	do. 1	Long Branch	Apr. 11	do. 15
Ridgefield	do. 11*	do. 10*	Sandy Hook	do. 7*	do. 24*
Somerville	do. 11	do. 16			

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1938

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	31.0	+0.1	68	−19	3.64	+0.07	5.72	2.58	4.0	13.7
February	35.5	+4.8	70	6	2.31	−1.30	3.90	1.78	1.1	8.0
March	43.2	+4.1	85	−1	2.15	−1.63	4.30	0.90	1.2	4.0
April	53.0	+3.3	94	12	2.82	−0.79	3.95	1.65	2.8	9.0
May	59.2	−1.2	89	26	3.52	−0.22	4.68	2.63	0.0	0
June	67.2	−1.6	96	29	7.79	+4.08	11.26	3.81	0.0	0
July	74.7	+1.0	98	43	8.84	+4.05	16.17	6.29	0.0	0
August	75.4	+3.6	100	41	3.09	−1.66	5.27	1.23	0.0	0
September	63.6	−2.3	95	30	9.67	+6.11	11.81	6.29	0.0	0
October	56.2	+1.5	93	24	2.47	−0.94	3.52	1.72	0.0	0
November	45.6	+2.0	80	−7	3.42	+0.24	5.10	2.21	12.6	20.6
December	34.8	+1.1	67	1	2.80	−0.85	5.11	1.16	1.4	6.1
Year	53.3	+1.4	100	−19	52.52	+7.16	16.17	0.90	23.1	20.6

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLIV. January, 1939. No. 1.

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NOTE.—The price of this publication is 25 cents per year (not in stamps). payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

The first twelve days were unusually mild, averaging approximately 10° above normal for the State. During this period, temperatures above 50 were common and readings near 60° were registered at some stations on the 6th, the highest being 65° at Elizabeth. This mild period was followed by much colder weather for the remainder of the month which averaged several degrees below normal. The coldest weather occurred at most stations on the 20th when sub-zero temperatures were registered at several stations, the lowest being 10° below zero at Layton, Sussex County. Other cold days were the 16th, 23d, 26th, 27th and 28th.

Precipitation averaged 11 percent above normal for the State. It was somewhat heavier on the east side of the State and especially in the southeast where several stations recorded more than five inches for the month. Moderately heavy rains fell on the 6th at most stations. Heavy rains also fell on the 29th and 30th. A heavy snowfall occurred on the 13th and 14th amounting to more than 6 inches over much of the State. After that time, the ground remained snow-covered in most counties until the heavy rain of the 30th, and the ground froze only a few inches in spite of the cold weather the latter part of the month. Lighter amounts of rain or snow fell on several other days, the average number of days with precipitation being 11. Sunshine was about 80 percent of the normal amount.

Strong winds occurred on the coast on the 5, 6, 13, 14, 18, 22, 23, 25, 30, and 31st; and inland on the 22d and 25th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 30.9°, which was 0.4° above normal. The highest temperature was 65 at Elizabeth on the the 6th, and the lowest, —10 , at Layton on the 20th. The greatest daily range of temperature was 39° at Layton on the 20th. The highest monthly mean temperature was 36.0° at Atlantic City, and the lowest, 26.0° at Layton.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 47 stations, was 3.98 inches, which was 0.41 inch above normal. The average total snowfall at 20 selected stations was 10.2 inches, which was 2.7 inches above normal. The greatest monthly precipitation was 5.65 inches, at Atlantic City, and the least, 1.98 inches at Layton. The greatest amount of precipitation in any 24 consecutive hours was 2.80 inches at Tuckerton on the 30th.

DATES OF MISCELLANEOUS PHENOMENA.

Sleet: 13, 24, 30. Thunderstorms: 6, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly Velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p. m.	
Atlantic City	30.06	30.51	28	29.34	30	16.4	54	w.	25	74	67	70	44
Long Branch	30.04	30.50	4	29.36	22	13.3	54	nw.	25	76	63	69	43
Ridgefield	30.03	30.49	4	29.36	22		.....		....	.....	.....	.....	.....
Sandy Hook	30.02	30.46	4	29.36	22	16.4	49	nw.	25	77	71	72	38
Trenton	30.05	30.47	28	29.39	22	9.4	35	nw.	25	76	59	67	40

COMPARATIVE DATA FOR JANUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	......	......	......	......	......
1886	27.3	60	−10	4.47	......	......	......	......	......
1887	28.4	67	−6	3.86	......	10	......	......	......
1888	25.4	59	−12	4.77	......	9	......	......	......
1889	36.2	60	8	5.68	......	9	......	......	......
1890	41.3	78	12	2.29	......	10	......	......	......
1891	34.2	59	10	6.57	......	10	10	11	10
1892	29.9	67	−6	5.13	......	10	10	9	12
1893	21.6	54	−21	3.04	......	9	10	10	11
1894	34.2	61	−4	2.34	......	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	......	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	0.8	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	1.50	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	20.3	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	22.8	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	42.4	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
1938	31.0	68	−19	3.64	4.0	12	10	7	14
1939	30.9	65	−10	3.98	10.2	11	11	6	14
Period	30.5	78	−34	3.57	7.5	10	11	8	12

Climatological Data for January, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, '01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	36.0	+3.5	60	6	13	27	22	5.65	+2.16	2.16	4.8	13	8	4	19	w.	U. S. Weather Bureau
Belleplain	Cape May	49	45	34.6^a	+1.6	59	6	0	20	34	4.04	+0.50	1.68	......	9	12	5	14	w.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	27.3	−0.1	50	7	−1	20	30	3.96	+0.20	1.60	12.5	11	15	5	11	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	28.0	+0.9	55	6	3	27†	31	3.52	+0.14	1.30	......	10	13	0	18	ne.	John Kline.
Bridgeton	Cumberland	30	56	33.6	−1.7	59	6	10	20	30	3.78	+0.33	1.62	7.4	9	13	8	10	nw.	Bennett K. Matlack
Burlington	Burlington	12	§53	32.0	−1.0	59	6	2	20	33	3.44	−0.13	1.83	7.5	14	9	10	12	nw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	3.88	....	1.30	11.7	14	11	3	17	ne.	Central Airport, Inc.
Canoe Brook	Essex	180	8	27.2	......	58	6	−7	28	37	3.65	....	1.50	......	7	15	6	10	w.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	28.2	+1.3	54	11	−4	28	38	4.09	+0.47	1.52	12.2	11	11	6	14	nw.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	4.54	+0.57	1.47	17.5	10	12	5	14	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	33.4^b	+1.3	59	6	8	27†	27	4.63	+1.06	1.75	14.8	10	9	0	22	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	3.58	+0.54	1.30	10.8	7	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	28.5^a	+1.8	54	6	2	20	29	4.18	+0.18	1.37	9.7	10	1	14	16	......	William C. Harris
Elizabeth	Union	34	60	31.4	+1.0	65	6	5	15	36	4.45	+0.75	1.30	12.1	10	12	4	15	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§53	30.4	+0.5	57	6	−5	20	40	3.39	−0.08	1.21	11.1	11	16	3	12	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	31.3	......	56	6†	3	20	25	4.27	+0.31	1.48	12.0	10	16	4	11	n.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	33.0	......	59	6	1	20	32	5.15	+1.41	1.96	9.2	11	11	8	12	w.	J. G. Wilson.
Hightstown	Mercer	110	46	30.2	+0.1	57	6	0	20	31	3.60	+0.13	1.38	14.1	12	11	8	12	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	31.6	−0.5	59	6	−1	20	31	4.83	+0.86	1.69	12.7	14	10	9	12	nw.	Edward Entwistle.
Jersey City	Hudson	81	41	34.2	+2.1	56	6	6	27	23	3.61	−0.09	1.25	10.6	12	7	7	17	nw.	Jersey Journal.
Lakewood	Ocean	54	35	32.0	+0.5	58	6†	7	20†	27	4.87	+0.87	1.90	15.5	12	8	8	15	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	29.5	−0.7	56	7	4	26	28	3.27	−0.19	0.96	15.4	12	14	4	13	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	26.0	+1.0	53	6	−10	20	39	1.98	−1.00	1.07	10.7	8	6	3	22	ne.	A. M. Depue.
Little Falls	Passaic	157	§36	30.6	+2.1	57	6	3	27	31	4.11	+0.44	1.34	8.7	11	14	4	13	w	Passaic Valley Water Co
Long Branch	Monmouth	34	31	32.0	+0.5	59	10	7	20	38	4.71	+0.57	1.60	13.0	14	3	10	18	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	27.2	......	54	6	0	20†	29	3.06	....	......	9.0	8	16	12	3	sw.	James E. Rice.
Moorestown	Burlington	62	76	31.0	+0.1	56	6†	5	20	28	3.48	+0.14	1.27	12.1	10	9	4	18	nw.	Japanese Beetle Laboratory
Newark	Essex	10	40	31.4	+1.6	57	6	7	26	25	3.53	−0.13	1.07	10.9	12	3	13	15	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	30.2	−0.1	54	6	3	20	26	3.53	+0.13	1.44	12.0	11	11	10	10	sw.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	3.95	+0.87	1.40	......	11	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	27.2	+1.3	57	11	−1	26	30	3.14	−0.16	1.11	11.5	9	7	8	16	sw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	......	......	......	......	......	......	....	5.59	+2.45	2.00	7.1	11	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	34.0	......	60	6	12	26†	24	4.11	....	2.07	13.9	14	9	6	16	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	30.9	+1.0	55	6	5	27	24	4.33	+0.78	1.72	9.4	11	13	3	15	nw.	E. Stanulis, Evening News
Pemberton	Burlington	55	9	32.4	......	58	6	0	20	30	4.10	....	1.18	12.0	13	11	5	15	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	29.0	+0.6	54	6	5	16	27	4.01	+0.63	1.34	12.2	12	17	4	10	.....	Town Engineer.
Plainfield	Union	120	51	31.2	+1.4	58	6†	6	27	30	3.60	−0.05	1.31	11.1	12	10	7	14	nw.	S. K .Pearson.
Pleasantville‡‡	Atlantic	8	§41	33.2	−1.1	58	6†	5	20	36	4.10	+0.90	1.40	......	13	13	8	10	nw.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	29.9	+1.4	55	6	4	27	28	3.61	−0.05	1.13	10.0	13	9	9	13	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	......	......	56	7†	......	......	....	4.16	+0.70	1.31	......	8	14	11	6	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	32.4	+1.1	54	6	9	26	22	3.68	−0.28	1.52	13.1	14	7	4	10	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	30.2	+1.2	56	6	1	26	29	3.50	−0.02	......	......	....	14	10	7	nw.	Richard H. Rogers.
Sussex	Sussex	450	44	27.9	+1.1	54	6	0	27	32	3.03	+0.06	1.17	8.3	10	14	9	8	......	Thomas R. Trudgen.
Trenton	Mercer	56	67	31.9	+1.4	58	6	10	26	22	3.89	+0.58	1.70	13.5	15	6	7	18	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	31.6	......	58	6	6	20	24	4.08	....	1.30	15.9	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	34.8	+1.9	60	7	8	27	28	5.33	+1.66	2.80	1.0	13	12	3	16	nw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	4.00	+0.85	1.54	......	11	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	69	32.3	+1.4	56	6	6	27	28	3.80	+0.14	1.49	9.5	13	7	6	18	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	68	34.4	+1.8	59	6	12	26	25	4.46	+1.16	2.49	11.0	12	8	6	17	nw.	U. S. Weather Bureau.
For the State	......	......	....	30.9	+0.4	65	6	−10	20	39	3.98	+0.41	2.80	10.2	11	11	6	14	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-28-39-900

Daily Precipitation for January, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast					T.	.98				.07			.85	.10				.64	.05	T.	.02	.07		.38	.03	T.			.99	1.26	.21	5.65
Belleplain	Tuckahoe						.72				.08			.15	.59				.37	T.		T.	T.		.30					.05	1.63	.15	4.04
Belvidere	Delaware					T.	.90				.08			.14	.56				.10			.11	.31		T.			.02		.09	1.60	.05	3.96
Boonton[3]	Passaic						1.30				T.	.03			.57	.03			T.	.01		.07	.01	.01	T.			T.			.34	1.15	3.52
Bridgeton	Delaware						.28				.12			.53					.26			T.	.08		.19					.54	1.62	.16	3.78
Burlington	do						.23				.11			.20	.38				.15	.03		.07	.03		.04		.02	.01		.19	1.83	.15	3.44
Camden[2]	do					.08	.08				.08			.63	.04				.36	.01	T.	.05	.02		.13	T.	.02	T.		.90	1.30	.18	3.88
Canoe Brook[3]	Passaic																																......
Charlotteburg	Passaic						1.52				.04			.02	.77					.06		.01	.03		.05					.03	1.26	.30	4.09
Chatham[3]	do						1.27				T.	.14			.92	.11			.04	.12		.08	T.			.03		T.			.36	1.47	4.54
Clayton	Delaware						.90				.16			.33	.45				.25	.26					.27					.12	1.75	.14	4.63
Culvers Lake	do						1.20								.68					.06		.06	.10								1.30	.18	3.58
Dover	Passaic						1.46				.07			*	.80				T.	.05		.05	.03							.15	1.37	.20	4.18
Elizabeth	Coast						1.20				.08			.32	1.05				T.	.01		T.	.15		.02					.17	1.30	.15	4.45
Flemington	Raritan					T.	.78				.17			.18	.46			T.	.06	.03		.06	.02		T.					.09	1.21	.33	3.39
Freehold	do						1.15				.04			.30	.48				.15	.10		T.			.11		T.			.15	1.48	.31	4.27
Hammonton	Mullica						1.80				.13			.15	.25				.33	.17			T.		.17	T.	.25			.20	1.96	.24	5.15
Hightstown	Raritan						.93				.11			.22	.44				.08	.03		.03	.02		.04		T.	T.		.19	1.38	.13	3.60
Indian Mills	Mullica					T.	.81				.10			.32	.61				.41	.07		.05	.06		.16	.02	.01	T.		.34	1.69	.18	4.83
Jersey City	Coast					T.	1.05				.09			.14	.69				.01	.03		.05	.04		.02		T.			.14	1.25	.10	3.61
Lakewood	Metedeconk	T.					.92				.05			.27	.52				.30	.10		.08	.06		.20		T.			.25	1.90	.22	4.87
Lambertville(nr.)	Delaware						.37				.12		T.	.39	.48				.16	.14		.08	.02		.04					.15	.96	.36	3.27
Layton(near)	do						1.07				T.			*	.49				.03	.04		.07	T.					T.		T.	.25	.03	1.98
Little Falls[3]	Passaic						1.30				.05	.03			.70	.01				.02		.04	.08	.03				T.			.51	1.34	4.11
Long Branch[2]‡	Coast					T.	.72				.04			.85	.11				.32	.06		.05	.05		.11	.01	.04			.55	1.60	.20	4.71
Long Valley	Raritan						.90				.11			*	.80				T.		.10	T.			T.					*	*	1.15	3.06
Moorestown[3]	Delaware						.16				T.	.08			.60	.03			.02	.16		.02	.07		T.			T.			1.07	1.27	3.48
Newark[1]	Coast					.16	.79				.07			.75	.12				.01	.01	T.	.06	.06		T.		T.	T.		.36	1.07	.07	3.53
New Brunswick	Raritan						.85				.11			.22	.47				.07	.03		.02	.01		T.			T.		.13	1.44	.18	3.53
New Milford[2]‡	Hackensack					.30	1.04				.13			.53	.13				.04			.02	.17							.13	1.40	.06	3.95
Newton	Delaware						1.06				T.			.12	.15				T.	.03		.03	.11		T.	T.	T.	T.		.02	1.11	.51	3.14
Northfield	Coast						1.32				.04			.24	.58				.49	.04		T.	.02		.40		T.		.21		2.00	.25	5.59
N. Merchantville	Delaware					T.	.12				.07			.38	.44				.28	.08		.07	.02		.07	T.	.01	.01		.28	2.07	.21	4.11
Paterson	Passaic					T.	1.39				.13			.28	.53				.01	.01		.07	T.		.01		T.			.11	1.72	.07	4.33
Pemberton	Delaware						1.18				.05			.24	.43				.16	.03		.12	.12		.09	.02	T.			.28	1.07	.31	4.10
Phillipsburg	do					.17	.69				.09		T.	.78	.18		T.		.12	.13		.12	.10		T.	T.	T.			.15	1.34	.14	4.01
Plainfield	Raritan					T.	.87				.10			.36	.41				.03	.01		.03	.04		.01	T.	T.	T.		.35	1.31	.08	3.60
Pleasantville[3]	Coast						1.20					.07			.35	T.			.04	.41		.01	.03	.01	.03	.40		.01			1.40	.14	4.10
Ridgefield[2]	Hackensack					.03	1.13				.08			*	.77				.01	.04		.03	.12		.01	T.	T.			.37	.92	.10	3.61
Runyon	Coast						1.31							T.	.93			T.	.20			.02	.02							.55	.98	.15	4.16
Sandy Hook[1]‡	Coast					.04	.73				.09			.43	.14				.21	.07		.04	.05		.02	T.	.01			.60	1.08	.14	3.68
Somerville(near)	Raritan																																3.50
Sussex	Hudson					T.	1.02				.01			.03	.67				T.	.02		.07	.03							.01	1.16	.03	3.03
Trenton[1]‡	Delaware					.06	.25				.12			.77	.04				.25	.13		.19	.01		.02	.01	.01			.78	1.10	.15	3.89
Trenton No. 2[2]	Delaware					.08	.36				.12			.87	.09				.16	.07		.11	.02		.02	T.	T.			.74	1.30	.14	4.08
Tuckerton	Coast						1.36				.12			.02	.14				.01	.02		.01	.27		.46		.01			.09	2.80	.02	5.33
Woodcliff Lake[2]‡	Hackensack					.30	1.06				.05			.56	.11				.03			.02	.16							.10	1.54	.07	4.00
New York, N. Y[1]‡	Coast					.07	.91				.08			.74	.13				.01	.02		.05	.08		.01		T.			.35	1.27	.08	3.80
Phila., Pa[1]‡	Delaware					T.	.06				.05			.83	.11				.26	T.		.04	T.		.03	.01	.02			.88	1.79	.38	4.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	
	Wind movement	
Pleasantville[3]	Evaporation	
	Wind movement	
Runyon	Evaporation	
	Wind movement	

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for January, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	48	56	46	42	49	60	49	54	48	56	55	45	35	38	39	36	41	36	31	30	39	46	34	41	35	20	27	38	42	54	38	42.2
	Minimum	38	44	38	34	42	41	37	38	35	44	43	33	28	27	20	28	29	27	22	18	28	24	16	34	16	13	13	20	36	37	22	29.8
Belleplain	Maximum	48	...	55	48	52	59	54	54	51	57	57	54	48	45	43	41	42	37	36	34	37	44	43	40	38	36	34	36	46	56	53	45.9a
	Minimum	30	....	27	30	36	48	27	27	21	33	40	35	25	26	14	12	24	25	20	0	10	22	12	15	22	9	8	6	32	36	28	22.6a
Belvidere	Maximum	39	50	40	31	44	49	60	40	43	48	48	40	32	25	30	30	29	28	21	21	20	27	27	40	34	18	20	31	38	38	34	34.4
	Minimum	24	23	29	26	27	37	37	33	24	32	36	27	24	18	5	4	25	19	17	−1	10	16	9	10	17	5	2	7	26	32	21	20.2
Boonton§§	Maximum	43	51	34	33	46	55	51	46	51	52	45	38	30	27	36	35	36	23	31	28	31	40	24	38	29	17	23	32	39	36	25	36.3
	Minimum	20	31	26	24	27	31	37	32	29	28	33	30	24	22	15	8	14	20	18	6	10	16	9	9	21	5	3	3	11	31	22	19.8
Bridgeton	Maximum	45	54	52	39	53	59	54	53	55	58	52	41	39	34	37	34	40	33	27	31	36	43	31	39	35	20	25	38	44	45	40	41.5
	Minimum	30	35	30	32	35	48	31	31	25	36	38	35	25	25	16	18	26	26	18	10	16	28	15	18	20	13	12	15	30	35	28	25.8
Burlington	Maximum	44	55	50	40	60	59	53	49	52	55	50	43	38	30	34	34	38	35	29	28	32	48	31	36	36	21	25	35	42	39	37	40.3
	Minimum	29	32	33	33	34	49	36	34	25	33	37	35	25	24	18	7	16	24	20	2	13	15	9	15	21	10	10	9	30	34	25	23.8
Canoe Brook§§	Maximum	47	52	36	31	52	58	53	46	50	52	46	40	30	29	36	35	37	23	33	29	32	40	31	36	27	18	25	34	40	36	26	37.4
	Minimum	18	32	24	21	30	31	36	36	20	29	34	19	20	21	5	7	13	14	16	−7	0	8	7	4	26	1	1	−3	11	31	22	17.0
Charlotteburg	Maximum	39	49	46	32	36	52	52	50	51	52	54	41	32	25	33	37	36	32	33	25	32	40	30	42	42	19	22	31	43	35	32	37.9
	Minimum	26	32	24	24	27	35	34	37	28	35	36	21	21	19	15	−1	21	18	14	2	−2	13	5	11	11	1	−2	−4	27	31	19	18.6
Clayton	Maximum	42	55	52	47	52	59	55	51	53	57	57	43	39	31	34	34	40	36	29	29	33	42	33	39	36	27	24	35	41	41	39	41.5
	Minimum	30	36	30	31	34	49	31	37	29	35	37	34	25	24	18	12	25	25	20	10	....	20	13	17	23	10	8	8	30	34	27	25.4a
Dover	Maximum	39	50	41	30	40	54	51	45	50	52	49	37	30	27	35	35	35	31	29	27	32	59	28	38	35	20	22	32	40	35	25	36.5
	Minimum	28	35	27	26	28	39	36	35	29	32	35	24	21	18	15	6	29	19	16	2	9	18	6	13	9	3	3	9	28	...	16	20.5a
Elizabeth	Maximum	44	55	47	37	44	65	56	50	52	52	50	43	34	30	41	36	41	33	35	35	34	41	30	38	36	23	33	34	40	35	36	40.6
	Minimum	26	31	32	28	33	44	39	35	23	32	33	26	23	25	5	8	16	21	20	8	11	16	16	12	19	7	6	8	28	34	24	22.2
Flemington	Maximum	46	54	49	36	42	57	56	49	65	54	52	45	34	31	39	37	42	31	33	35	32	41	30	38	36	23	27	35	41	37	35	40.4
	Minimum	27	32	29	28	32	41	39	34	25	30	37	27	24	17	6	2	24	20	18	−5	7	13	10	7	19	5	3	5	25	33	22	20.5
Freehold	Maximum	44	55	46	41	47	56	53	44	50	56	46	41	34	29	32	34	35	29	26	24	40	42	27	36	35	19	22	34	42	38	36	38.5
	Minimum	32	41	32	29	33	47	38	39	29	38	37	30	24	21	10	12	21	23	19	3	15	24	9	13	19	8	6	13	29	34	20	24.1
Hammonton	Maximum	43	55	53	46	51	59	54	52	55	58	58	45	40	37	37	36	41	36	30	29	35	43	31	39	38	28	26	37	47	41	40	42.6
	Minimum	29	33	28	29	34	47	29	35	23	36	37	33	25	24	10	9	21	25	20	1	8	18	11	15	26	10	8	10	30	34	25	23.3
Hightstown	Maximum	44	54	47	39	48	57	53	49	49	65	51	41	35	28	31	33	35	28	27	25	31	41	28	35	35	20	22	34	42	38	35	38.4
	Minimum	28	36	31	30	32	46	37	36	27	34	36	29	24	17	9	2	21	21	19	0	6	13	9	12	19	7	5	10	28	33	22	21.9
Indian Mills	Maximum	42	56	47	42	51	59	53	50	53	58	54	41	35	31	35	35	40	31	29	28	33	44	28	38	35	19	24	34	43	41	38	40.2
	Minimum	25	37	29	32	34	47	31	37	22	38	38	32	26	22	11	7	21	25	20	−1	8	17	13	12	19	8	5	6	30	35	26	23.0
Jersey City	Maximum	44	54	43	38	45	56	53	51	53	55	54	46	34	30	39	36	40	36	32	33	34	43	27	40	40	22	29	36	43	39	36	40.9
	Minimum	33	33	34	30	34	43	41	42	35	43	41	33	28	25	22	17	33	25	19	16	20	26	10	22	21	8	6	19	32	34	25	27.4
Lakewood	Maximum	44	55	49	44	49	58	55	52	53	58	56	41	35	32	34	35	39	31	30	28	34	43	29	38	36	21	24	37	44	40	38	40.7
	Minimum	25	36	29	30	35	48	35	38	26	36	35	30	24	22	12	8	21	21	21	7	7	17	10	12	20	10	8	11	31	36	23	23.4
Lambertville (near)	Maximum	40	53	48	40	52	54	56	54	52	53	45	44	38	27	35	36	35	30	24	20	28	40	32	36	30	16	20	36	41	33	26	37.9
	Minimum	26	29	29	28	34	32	40	34	26	37	36	33	23	20	14	20	19	12	14	7	10	19	16	8	10	4	6	16	22	13	16	21.1
Layton (near)	Maximum	42	50	38	29	38	53	52	44	51	52	49	38	30	25	35	30	34	21	28	29	31	40	25	40	38	14	21	31	37	34	26	35.6
	Minimum	26	28	25	21	25	35	36	30	21	31	34	24	18	18	−1	−1	21	16	14	−10	2	14	5	5	7	0	−3	−6	28	26	16	16.3
Little Falls§§	Maximum	47	52	35	35	52	67	54	47	52	53	46	39	30	34	40	37	39	32	32	32	38	42	32	40	37	20	26	38	41	44	35	39.9
	Minimum	22	31	28	26	28	33	36	38	29	34	35	35	24	21	15	7	18	19	17	5	10	16	9	14	26	5	3	7	20	32	21	21.4
Long Branch	Maximum	43	55	42	37	50	57	54	50	52	59	51	40	31	30	34	34	35	31	30	26	31	45	23	58	35	18	23	36	46	39	30	39.5
	Minimum	33	40	34	33	37	45	40	34	29	44	40	29	26	17	12	11	22	25	18	7	12	18	10	20	12	8	9	14	33	30	19	24.5
Long Valley	Maximum	38	50	37	30	40	54	50	44	40	47	46	38	34	26	33	34	35	30	26	24	30	40	26	43	27	18	21	32	44	31	26	35.3
	Minimum	26	31	27	25	28	38	35	33	25	35	33	26	21	18	10	5	23	17	18	0	9	16	0	10	13	0	0	5	25	24	20	19.2
Moorestown	Maximum	46	49	48	38	60	56	52	50	52	56	47	41	32	29	33	33	37	32	28	27	32	43	26	36	34	16	24	32	41	41	30	38.4
	Minimum	31	39	32	33	33	40	36	31	26	37	40	28	25	23	11	10	22	19	11	5	20	15	13	20	13	10	8	14	32	30	26	23.6
Newark	Maximum	43	53	39	35	48	57	64	48	50	53	50	39	31	28	40	34	37	29	30	29	31	40	24	38	37	20	25	33	41	36	27	38.0
	Minimum	31	38	31	29	32	44	41	37	31	36	39	28	24	24	17	18	27	23	19	11	20	18	10	19	12	7	8	13	30	29	33	24.8
New Brunswick	Maximum	42	51	48	38	43	54	51	47	50	51	60	42	35	24	32	30	35	31	25	24	30	41	33	35	35	20	24	30	40	35	35	37.5
	Minimum	28	37	31	28	32	43	38	38	28	87	39	30	24	23	11	6	20	22	19	3	10	19	7	13	19	6	7	8	28	33	23	22.9
Newton	Maximum	37	48	40	27	38	52	50	44	50	53	57	37	37	22	35	31	33	27	26	28	29	38	23	38	28	18	30	30	37	33	29	35.6
	Minimum	26	32	22	22	23	37	34	34	27	37	35	25	20	16	10	10	21	14	13	2	13	17	4	10	8	−1	0	8	20	26	15	18.7
N. Merchantville	Maximum	47	57	50	40	51	60	53	50	53	55	52	43	38	31	34	34	38	34	30	29	33	44	28	37	37	20	25	36	43	38	36	40.5
	Minimum	32	39	33	33	34	49	39	38	29	39	42	37	25	24	19	18	29	23	20	16	19	26	15	21	20	12	12	16	32	34	26	27.5
Paterson	Maximum	41	52	36	35	42	55	52	46	50	54	52	41	32	29	36	35	36	30	30	28	30	41	27	38	37	17	25	38	40	37	30	37.8
	Minimum	28	33	29	28	31	40	38	39	31	40	40	31	24	23	16	15	28	22	19	11	18	22	10	18	13	6	5	16	20	30	20	24.0
Pemberton	Maximum	45	56	48	44	50	58	53	50	52	57	55	42	38	30	35	35	40	34	31	30	33	44	30	37	36	21	25	36	42	40	38	40.8
	Minimum	30	37	32	32	34	49	32	35	25	39	38	35	25	19	14	9	17	25	20	0	11	18	11	16	21	11	9	10	30	34	25	24.0
Phillipsburg	Maximum	42	51	39	35	45	64	51	46	48	51	46	39	31	29	31	32	35	26	28	26	29	38	23	37	36	18	22	32	39	37	30	36.3
	Minimum	23	30	30	29	31	31	36	31	26	35	36	29	24	19	8	5	22	20	18	6	17	20	11	14	15	9	9	10	29	30	20	21.7
Plainfield	Maximum	45	54	42	35	45	58	55	51	58	51	48	42	31	30	39	36	38	27	34	31	34	41	25	37	36	22	27	34	40	40	32	39.3
	Minimum	28	32	32	29	32	45	38	40	28	32	35	29	25	19	10	10	25	22	20	8	14	18	9	15	16	8	6	11	27	32	20	23.1
Pleasantville§§	Maximum	47	57	47	43	57	58	64	54	51	58	47	43	35	32	37	36	40	34	30	36	42	45	39	39	35	22	31	37	43	53	31	42.4
	Minimum	28	34	29	31	34	43	30	30	20	22	37	32	29	27	15	11	25	26	22	5	9	23	14	15	31	11	8	9	26	37	29	23.9
Ridgefield	Maximum	40	51	35	34	44	55	52	45	49	52	46	37	29	27	36	36	36	25	28	28	30	40	25	37	36	15	25	33	40	36	28	36.5
	Minimum	40	35	30	27	32	43	37	34	30	39	37	26	24	19	15	15	27	21	17	10	18	17	9	18	8	6	4	15	29	28	22	23.3
Runyon	Maximum	38	54	42	48	54	54	56	56	52	48	54	38	34	34	38	34	37	34	32	28	32	40	32	38	38	26	26	34	39	36	34	40.0
	Minimum	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sandy Hook	Maximum	42	51	42	36	49	54	51	47	48	53	47	40	31	29	34	34	35	31	28	26	31	41	23	37	36	17	24	33	38	38	31	37.3
	Minimum	36	39	34	32	35	44	41	38	33	42	40	30	26	26	22	25	31	26	22	18	24	20	12	22	14	9	9	19	32	31	21	27.5
Somerville (near)	Maximum	44	54	47	37	43	56	55	49	52	53	51	42	33	34	37	37	37	31	32	30	32	39	29	37	37	21	23	34	39	36	36	39.3
	Minimum	27	35	31	26	30	41	37	35	27	36	35	25	21	21	8	11	23	19	18	6	11	18	6	13	21	1	5	9	16	25	21	21.2
Sussex	Maximum	37	50	42	30	33	54	52	45	52	50	48	42	32	25	39	32	37	31	27	32	33	40	28	40	36	18	25	32	37	40	30	37.1
	Minimum	25	29	24	28	25	37	32	34	28	33	32	29	21	18	7	1	22	16	11	1	6	14	7	10	14	2	0	3	27	28	20	18.7
Trenton	Maximum	44	56	41	36	54	58	53	49	51	55	49	40	30	28	33	34	36	30	28	26	30	44	25	37	36	17	22	33	41	37	31	38.2
	Minimum	32	40	34	32	34	41	40	36	31	39	40	29	25	24	18	16	27	21	17	12	19	19	13	22	14	10	10	16	31	31	20	25.6
Trenton No. 2	Maximum	45	56	41	37	50	58	64	51	52	65	48	42	31	28	34	35	39	30	30	28	32	42	25	36	35	19	23	35	43	35	33	38.8
	Minimum	31	38	32	33	33	42	38	34	28	37	39	27	25	20	14	12	26	22	18	6	19	23	11	20	16	8	9	13	30	33	20	24.4
Tuckerton	Maximum	52	56	54	48	50	69	60	55	53	56	58	46	40	35	38	38	41	38	35	34	38	36	35	42	37	34	29	37	45	55	48	44.6
	Minimum	31	35	31	32	36	38	33	39	27	36	38	36	27	26	10	16	20	26	16	10	16	16	13	22	27	10	8	16	22	36	27	25.0
New York, N. Y	Maximum	43	52	42	39	49	56	51	47	50	53	50	39	34	30	37	37	40	31	30	31	33	42	26	37	37	19	27	34	40	40	31	38.9
	Minimum	32	36	30	29	36	43	39	38	33	42	38	27	26	22	21	26	30	26	19	15	22	15	9	24	9	7	6	17	32	30	17	25.7
Philadelphia, Pa	Maximum	46	56	47	38	57	59	51	51	52	57	54	43	34	33	37	35	39	33	31	32	34	45	27	36	38	17	26	34	42	38	33	40.5
	Minimum	35	40	36	34	35	45	41	40	36	41	42	34	26	25	21	25	32	22	20	19	22	20	16	24	15	12	15	21	32	33	21	28.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLIV. February, 1939. No. 2.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

February, 1939 was the warmest February since 1925 and one of the five warmest Februarys of record in New Jersey. It was also the fifth consecutive month in this State with temperature averaging above normal. Zero was not reached at any station in the State. The lowest readings were registered in most localities on the 17th. Other comparatively cold days were the 1st, 16th and 23d. It was unusually warm from the 13th to 15th, 18th to 21st, and last three days. The 19th and 20th were generally the warmest days and maximum temperatures in the sixties were registered at most stations at that time, and readings as high as 70° were recorded at several stations.

Precipitation was unusually heavy, averaging 154 percent of the normal amount. Snowfall, however, was light and several southern stations recorded none or only a trace during the month. Rains were frequent and heavy falls occurred on the 3d, 10-11th, 15th, 26th and 28th.

The abnormally warm weather on the 15th was followed by a severe wind and rain storm in the afternoon. Eight houses were reported damaged in Trenton and vicinity; the roofs of five adjoining houses were ripped loose. Near Princeton, a chicken house 275 feet long by 25 feet wide was moved from its foundation. A man was drowned in the Delaware River when his boat was capsized by the wind.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 36.3°, which was 5.8° above normal. The highest temperature was 74° at New Brunswick and Runyon on the 20th, and the lowest, 1°, at Layton (near) on the 17th. The greatest daily range of temperature was 44° at Hammonton on the 19th. The highest monthly mean temperature was 39.8° at Tuckerton, and the lowest, 29.9° at Layton (near).

The temperature departure from the normal for the year, 1939, to date, for the State is +6.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 5.55 inches, which was 1.94 inches above normal. The average total snowfall at 20 selected stations was 2.0 inches, which was 6.8 inches below normal. The greatest monthly precipitation was 6.90 inches, at Tuckerton, and the least, 3.94 inches at Layton (near). The greatest amount of precipitation in any 24 consecutive hours was 1.82 inches at Camden on the 3d and Tuckerton on the 11th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +2.35 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 2, 3, 10, 11, 26, 28. Thunderstorms: 11, 15, 28.
Sleet: 2, 7, 10, 11, 14, 15, 16. 22, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	12 noon	7:30 p m.	
Atlantic City	30.14	30.69	16	29.44	15	17.0	51	s.	15	76	67	74	56
Long Branch	30.12	30.71	16	29.39	15	12.5	50	sw.	15	77	58	61	52
Ridgefield	30.10	30.68	16	29.31	15		....	....	....	....	....	....	....
Sandy Hook	30.10	30.67	16	29.32	15	15.3	61	s.	15	79	68	74	53
Trenton	30.12	30.71	16	29.29	15	9.7	45	s.	15	75	61	63	44

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	**39.9**	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	**−31**	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
1938	35.5	70	6	2.31	1.1	10	9	6	13
1939	36.3	74	1	5.55	2.0	11	11	6	11
Period	30.5	80	−31	3.61	8.8	9	11	7	10

Climatological Data for February, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	39.6	+6.0	61	18	17	23	22	6.01	+2.65	1.72	T.	14	9	5	14	s.	U. S. Weather Bureau
Belleplain	Cape May	49	45	39.8	+7.3	68	19	9	17	39	5.99	+2.66	1.45	T.	9	12	7	9	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	34.0°	+6.1	63	20	9	17	29	5.76	+2.20	1.55	2.5	10	10	6	12	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	32.4	+4.7	69	15	8	17	43	4.21	+0.91	0.92	......	9	12	2	14	nw.	John Kline.
Bridgeton	Cumberland	30	56	39.5	+5.4	70	19†	12	17	40	5.82	+2.60	1.28	T.	12	12	7	9	s.	Bennett K. Matlack
Burlington	Burlington	12	§53	38.8	+6.5	68	15†	13	17	39	5.99	+2.67	1.70	T.	12	11	8	9	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	6.39	......	1.82	0.2	13	12	5	11	sw.	Central Airport, Inc.
Canoe Brook	Essex	180	8	33.2	......	69	20	6	17	40	4.45	......	1.20	......	10	16	7	5	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	31.9	+5.5	66	20	2	17	36	5.36	+1.67	1.30	4.9	12	13	4	11	w.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	5.30	+1.43	1.32	5.0	10	14	5	9	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	39.6	+8.5	68	19†	12	17	37	5.48	+2.14	1.20	0	8	11	0	17	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	5.65	+2.69	1.12	4.1	9	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	33.0	+6.1	67	20	6	17	36	5.96	+2.19	1.48	5.2	9	10	6	12	......	William C. Harris
Elizabeth	Union	34	60	37.0	+6.0	70	20	10	17	39	5.63	+1.77	1.67	3.0	10	12	4	12	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§53	36.5	+6.6	73	20	11	1†	36	5.61	+2.29	1.46	3.0	11	13	6	9	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	37.6	......	67	19	10	17	35	5.83	+1.69	1.65	1.5	13	15	5	8	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	39.2	......	71	19	10	17	44	6.60	+3.36	1.35	T.	11	11	7	10	sw.	J. G. Wilson.
Hightstown	Mercer	110	46	37.4	+7.1	67	20	11	17	38	5.46	+2.07	1.59	2.7	12	10	10	8	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	38.4	+5.9	69	19	11	17	40	5.57	+1.90	1.24	T.	12	8	11	9	sw.	Edward Entwistle.
Jersey City	Hudson	81	41	39.2	+7.7	72	20	13	17	28	5.76	+1.83	1.60	3.8	11	10	8	10	nw.	Jersey Journal.
Lakewood	Ocean	54	35	38.6	+7.6	67	19	10	1	38	6.52	+2.63	1.45	T.	11	9	5	14	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	36.4	+5.8	69	20	8	17	39	5.30	+1.92	1.54	3.5	10	9	11	8	e.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	29.9	+4.8	65	20	1	17	34	3.94	+0.95	0.91	8.2	11	10	4	14	sw.	A. M. Depue.
Little Falls	Passaic	157	§36	34.7	+5.4	69	20	9	17	40	4.92	+1.12	1.07	4.5	12	13	7	8	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	37.6	+6.4	69	20	13	17	30	6.76	+2.63	1.77	1.1	13	6	8	14	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	31.2	......	64	20	4	23	41	5.76	......	1.57	7.0	9	11	11	6	sw.	James E. Rice.
Moorestown	Burlington	62	76	37.6	+5.8	70	20	12	1	37	4.86	+1.61	1.05	0.5	11	11	10	7	s.	Japanese Beetle Laboratory
Newark	Essex	10	40	36.4	+7.2	70	20	11	17	34	5.88	+2.43	1.74	2.9	11	6	10	12	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	37.0	+6.0	74	20	7	17	38	5.52	+2.15	1.65	3.5	10	11	10	7	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	5.45	+2.26	1.48	......	9	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	31.4	+4.4	65	20	4	17	31	4.62	+1.47	1.10	5.7	12	11	6	11	sw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	......	......	......	......	......	......	....	5.46	+2.62	1.24	T.	12	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	39.6	......	72	20	11	23	32	6.15	......	1.75	0.5	12	6	11	11	sw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	35.5	+4.9	69	20	11	17	31	6.61	+2.63	1.59	4.7	11	13	2	13	nw.	E. Stanulis, Evening News
Pemberton	Burlington	55	9	39.5	......	70	19	12	1	41	5.33	......	1.54	T.	12	11	7	10	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	34.4	+5.6	67	20	11	17	33	5.65	+2.34	1.45	2.0	12	12	8	8	......	Town Engineer.
Plainfield	Union	120	51	36.4	+7.1	71	20	12	17	37	5.63	+1.88	1.64	3.9	11	9	6	13	nw.	S. K .Pearson.
Pleasantville‡‡	Atlantic	8	§41	37.4	+4.1	62	18	11	17	29	5.05	+2.15	1.35	......	13	11	8	9	s.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	35.1	+6.3	69	20	10	17	34	5.43	+1.53	1.56	6.2	9	9	9	10	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	35.5	+5.0	74	20	4	17	40	5.66	+2.17	1.18	......	10	16	4	8	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	36.5	+4.4	61	15	16	16	31	5.45	+1.70	1.54	1.6	12	8	4	16	nw.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	56	36.4	+7.0	72	20	10	23	37	4.04	+0.59	1.14	......	6	17	4	7	w.	Richard H. Rogers.
Sussex	Sussex	450	44	30.9°	+4.4	58	21	6	17	31	4.21	+1.25	1.11	......	10	18	3	7	......	Thomas R. Trudgen.
Trenton	Mercer	56	67	37.8	+7.1	69	20	13	17	36	5.56	+2.29	1.60	1.0	12	9	5	14	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	37.4	......	70	20	11	17	36	5.98	......	1.64	1.7	12	....	....	....	.....	Edward H. Ristow.
Tuckerton	Ocean	23	46	39.8	+7.4	62	18	13	23	33	6.90	+3.41	1.82	0.0	12	15	1	12	nw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	....	......	....	5.44	+2.12	1.46	......	9	....	....	....	......	Hackensack Water Co.
New York, N.Y.	......	10	69	37.4	+6.1	67	20	14	17	33	5.97	+2.15	1.74	3.9	11	7	7	14	nw.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	68	39.4	+5.5	70	20	14	17	33	6.12	+2.80	1.69	0.5	13	7	9	12	sw.	U. S. Weather Bureau.
For the State	......	......	....	36.3	+5.8	74	20	1	17	44	5.55	+1.94	1.82	2.0	11	11	6	11	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-28-39-900

Daily Precipitation for February, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City¹‡	Coast		.41	.57	.01		.18	.17		.05	.56	.98				.66					.07	.09	.03				.51		1.72				6.01
Belleplain	Tuckahoe		.40	.62				.50			.45	1.20				.50	T.				.15		T.				.72		1.45				5.99
Belvidere	Delaware		.04	.86	1.55			.30			.28					1.12	.13			.01			.15						1.32				5.76
Boonton³	Passaic	T.	T.	.42	.91		-	.24			T.	.68				.05	.70				T.	T.	.09				.20	.92	T.				4.21
Bridgeton	Delaware	T.	.38	1.28	.08			.33			.30	1.23				.35	.04				.36		.09				.73		.65				5.82
Burlington	....do		.28	1.70	.30			.20			.40	.68				.20	.22				.04		.08				.90		.99				5.99
Camden²	....do		.42	1.82			.10	.13		.05	.68	.52				.52				T.	.02	.01	.02				.92		1.18				6.39
Canoe Brook³	Passaic		.03	.02	1.20			.30			.03	.80					.70						.02				.35	1.00					4.45
Charlotteburg	Passaic		.05	1.30	.06			.36			.17	.42				.43	.20						.07				1.20	.05	1.05				5.36
Chatham³	..do	.09	T.	.58	1.32			.34			T.	.80				.03	.68				T.		.17		T.		.38	.91	T.				5.30
Clayton	Delaware		.45	.95				.21			.45	1.20				.23											.89		1.10				5.48
Culvers Lake	...do		.06		.84			.31			.22	.30				.88				T.			1.12				.88		1.04				5.65
Dover	Passaic		.05	1.48				.40			.32	.42				.78							.12		T.		1.16		1.23				5.96
Elizabeth	Coast		.09	1.67	.06			.28			.28	.38				.29	.13			T.	T.		T.		T.		1.40		1.05				5.63
Flemington	Raritan		.22	1.46	.09			.23			.23	.45				.65	.06			T.	T.		.12				1.02		1.08				5.61
Freehold	.do		.34	1.65	.05			.34			.32	.58				.28	.06				.03		.08				1.03	.02	1.05				5.83
Hammonton	Mullica		.65	.89	.39			.25			.39	1.35				.32	.25				T.		.20				.82		1.09				6.60
Hightstown	Raritan		.33	1.59	.03			.24			.31	.49				.30	.14			T.	.02		.13				.98		.90				5.46
Indian Mills	Mullica		.44	1.24	.03			.20			.40	1.06			T.	.34	.08				.03		.10				.74		.91				5.57
Jersey City	Coast		.16	1.60	.08			.36			.30	.40				.21	.08			T.	T.		.11		T.		1.40		1.06				5.76
Lakewood	Metedeconk		.45	1.45	.06			.33			.40	.88				.35	.20				T.		.18				1.10		1.12				6.52
Lambertville(nr.)	Delaware		.16	1.54	.12			.18							.06	1.01	.15			T.			.14				.98		.96				5.30
Layton(near)	....do		.05	.26	.03			.42			.33	.15				.88	T.			08			.05		T.		.91		.78				3.94
Little Falls³	Passaic	.01	.01	.59	1.07			.40			.21	.54					.68						.12				.71	.55	.03				4.92
Long Branch²‡	Coast		.34	1.77	.01		.04	.32			.43	.63				.44	T.			T.	.01	.03	.13				1.38		1.23				6.76
Long Valley	Raritan		T.	1.57				.35			.30	.45				.73	.10						.20				.85		1.21				5.76
Moorestown³	Delaware	T.	.03	.94	1.05			.18			.25	.91				T	.52				T		.07				.40	.47	.04				4.86
Newark¹	Coast		.14	1.74	T.		.06	.25			.43	.19				.27	T.			T.	T.	.01	.01		T.		1.57		1.21				5.88
New Brunswick	Raritan		.25	1.65	T.			.30			.22	.37				.40	.15						.03				1.22	T.	.93				5.52
New Milford²‡	Hackensack		.04	1.48				.39			.51	.26				.52							.10				1.13		1.02				5.45
Newton	Delaware		.06	1.03	.02			.30			.22	.30				.62	.18			.03	T.		.04		T.		.72	T.	1.10				4.62
Northfield	Coast		.37	.52	.08			.30			.58	1.18				.40	.11				.06		.10				.52	1.24					5.46
N. Merchantville	Delaware		.25	1.75	.02			.16			.48	.80				.50	.09			T	.01		.09				1.00		1.00				6.15
Paterson	Passaic		.13	1.59	.11			.43			.44	.41				.80	.05			T.	T.		.02		T.		1.56		1.07				6.61
Pemberton	Delaware		.35	1.54	.01			.20			.31	.92				.16	.16			T.	.01		.07				.69		.91				5.33
Phillipsburg	....do		.12	1.45	T.		T	.26			.42	.33				.65		T.		.09	.05	.03	.03		T.		.98		1.24				5.65
Plainfield	Raritan		.21	1.64	.05			.26			.23	.32				52	.02			T.	T.		.08		T.		1.30		1.00				5.63
Pleasantville³	Coast		T.	.70	.43			.33	.34		.33	1.35	.10			.03	.60					.07	.17				.40	.20	T.				5.05
Ridgefield²	Hackensack		.05	1.56	T.			.32			.38	.41				.43				T.	T.	T.	.09		T.		1.28		.91				5.43
Runyon	Coast		.70	1.16				.31			.28	.39				41	.18						.15				1.18		.90				5.66
Sandy Hook¹‡	Coast		.28	1.53	T.		.03	.23			.32	.44				26				T.	.01	.02	.09				1.18		1.06				5.45
Somerville(near)	Raritan		T.	.30			T.	.06			.73					.71							T.				1.10		1.14				4.04
Sussex	Hudson		1.00	.02				.35			.04	.27				.64				T.			.03				.73	.02	1.11				4.21
Trenton¹‡	Delaware		.34	1.57	T.		.02	.17			.56	.31				.46	T.			T.	.07	.02	.07				.96		1.01				5.56
Trenton No. 2²	Delaware		.33	1.64			.04	.16			.41	.47				.61				T.	.01	.02	.11				1.07		1.11				5.98
Tuckerton	Coast		.56	.88	.06			.34			.56	1.82				.26	.19				.14		.11				.72		1.26				6.90
Woodcliff Lake²‡	Hackensack		.05	1.46				.39			.43	.37				.35							.09				1.33		1.07				5.44
New York, N. Y¹‡	Coast		.17	1.75	T.		.01	.34			.40	.28				.29				T.	T.	.03	.08		T.		1.40		1.22				5.97
Phila., Pa¹‡	Delaware		.28	1.64	.01		.08	.10		.01	.62	.51			T.	.34				T.	.02	T.	.09				1.24		1.18				6.12

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation
	Wind movement
Pleasantville³	Evaporation
	Wind movement
Runyon	Evaporation
	Wind movement

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for February, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	37	44	45	39	36	43	48	45	50	48	50	42	47	46	56	35	39	61	52	55	51	44	30	46	42	50	56	60	....	....	....	46.3
	Minimum	20	35	37	27	23	36	34	34	40	40	32	25	36	40	35	20	18	39	41	46	41	22	17	29	30	42	42	41	....	....	....	32.9
Belleplain	Maximum	50	44	45	41	37	44	47	49	54	54	52	47	56	56	62	42	47	62	68	64	59	47	35	43	50	60	57	59	....	....	....	51.1
	Minimum	12	26	39	32	12	29	36	24	31	36	37	15	29	31	42	23	9	32	29	54	41	24	13	13	27	35	36	31	....	....	....	28.5
Belvidere	Maximum	39	36	37	35	40	40	42	46	45	37	39	32	52	49	57	37	34	54	48	63	52	35	22	....	....	....	52	42	....	....	....	42.6c
	Minimum	12	28	32	25	24	27	31	24	29	29	29	18	24	25	35	14	9	25	28	38	34	18	13	....	....	....	34	30	....	....	....	25.4c
Boonton§§	Maximum	38	36	40	31	33	38	42	44	45	43	43	38	51	49	69	19	36	55	58	65	45	24	26	40	37	49	50	53	....	....	....	42.8
	Minimum	15	17	28	29	13	16	26	26	28	28	29	14	27	24	26	14	8	12	27	31	34	19	13	13	17	18	32	28	....	....	....	21.9
Bridgeton	Maximum	40	40	41	41	38	44	46	48	53	53	50	40	48	60	65	42	45	63	70	70	58	42	31	43	46	61	58	55	....	....	....	49.7
	Minimum	17	29	35	29	18	29	33	27	33	35	37	21	30	27	42	23	12	29	30	52	41	23	16	18	29	35	36	35	....	....	....	29.3
Burlington	Maximum	38	36	39	40	37	42	45	50	47	45	43	42	55	53	68	58	42	60	67	68	63	45	28	44	42	58	58	51	....	....	....	48.7
	Minimum	17	25	35	30	18	26	32	28	30	34	37	21	31	28	42	20	13	28	28	54	41	22	15	18	26	33	39	36	....	....	....	28.8
Canoe Brook§§	Maximum	37	36	38	34	28	39	43	44	46	40	40	39	54	60	66	58	39	57	60	69	46	36	31	42	37	49	52	54	....	....	....	44.8
	Minimum	14	20	28	28	9	20	27	24	24	33	32	11	21	20	29	14	6	17	22	36	34	18	10	14	12	27	33	24	....	....	....	21.7
Charlotteburg	Maximum	36	34	41	36	35	38	39	43	43	41	42	37	52	52	62	32	30	54	55	66	65	38	24	40	41	43	49	46	....	....	....	43.4
	Minimum	12	23	31	25	10	15	29	19	28	25	28	9	21	18	32	10	2	20	20	36	29	13	9	6	14	28	35	25	....	....	....	20.4
Clayton	Maximum	36	39	39	40	36	45	46	49	50	54	53	41	55	56	65	55	46	61	68	68	67	44	30	42	48	60	59	51	....	....	....	50.1
	Minimum	16	28	35	31	16	26	33	27	32	34	37	20	27	30	46	21	12	27	31	54	42	23	15	16	27	34	38	34	....	....	....	29.0
Dover	Maximum	35	35	40	43	42	40	40	43	43	35	40	38	52	50	63	27	35	54	55	67	50	33	26	40	35	50	50	40	....	....	....	42.9
	Minimum	14	27	32	19	14	21	30	27	31	27	21	14	28	23	27	9	6	29	29	39	33	16	10	16	17	30	32	28	....	....	....	23.2
Elizabeth	Maximum	42	38	43	38	38	44	45	46	52	50	40	42	58	52	66	55	44	58	60	70	65	43	33	45	41	45	56	51	....	....	....	48.6
	Minimum	14	28	33	29	15	24	32	27	30	31	34	14	25	25	36	16	10	21	22	40	33	21	12	15	21	33	38	33	....	....	....	25.4
Flemington	Maximum	44	37	39	37	37	41	45	49	47	42	44	42	59	52	66	38	38	61	59	73	62	42	31	47	40	44	56	50	....	....	....	47.2
	Minimum	11	29	33	28	15	24	32	29	30	32	35	17	26	25	36	11	11	25	29	38	38	20	13	15	20	31	36	32	....	....	....	25.8
Freehold	Maximum	35	41	39	37	35	44	43	47	47	43	45	38	54	55	64	43	40	58	67	65	59	42	28	42	38	56	59	48	....	....	...	46.9
	Minimum	12	27	35	28	17	28	32	29	33	33	37	18	30	31	41	17	10	28	32	58	38	21	14	17	24	33	38	34	....	....	....	2·.4
Hammonton	Maximum	39	40	41	40	39	47	48	52	51	54	55	41	58	59	66	55	44	62	71	69	67	44	29	43	43	61	60	52	....	....	....	51.1
	Minimum	11	27	35	31	15	25	32	26	32	34	36	16	30	30	46	20	10	29	27	38	42	23	13	15	25	33	36	31	....	....	....	27.4
Hightstown	Maximum	34	38	38	37	35	42	44	48	47	41	42	38	53	53	65	55	39	57	66	67	61	43	27	43	39	56	57	50	.. .	....	....	47.0
	Minimum	13	28	34	28	17	26	31	28	32	32	34	19	30	28	41	17	11	28	32	53	38	20	14	19	24	30	36	33	....	....	....	27.7
Indian Mills	Maximum	38	40	39	39	37	45	46	50	49	50	50	40	57	55	66	40	42	61	69	68	59	42	28	42	42	59	57	52	....	....	....	48.6
	Minimum	12	28	36	29	13	26	33	26	34	35	33	15	27	31	40	20	11	29	29	56	42	24	14	17	23	34	38	32	....	....	....	28.1
Jersey City	Maximum	39	40	40	38	38	44	44	44	49	47	42	40	57	53	64	40	38	59	57	72	64	46	29	45	42	52	55	54	....	....	....	47.6
	Minimum	18	32	37	31	22	32	33	36	40	33	36	20	34	40	40	17	13	33	41	51	36	23	16	24	24	33	33	35	....	...	....	30.8
Lakewood	Maximum	36	43	42	40	40	45	46	46	50	50	50	40	57	56	63	55	41	59	67	66	58	43	30	45	41	55	56	46	....	....	....	48.8
	Minimum	10	27	38	29	15	25	34	28	32	37	34	17	31	27	42	19	12	28	29	54	43	24	15	16	26	34	38	33	....	....	....	28.5
Lambertville (near)	Maximum	39	37	35	36	38	40	43	48	50	54	50	54	48	50	65	34	35	59	63	69	58	48	26	40	42	52	64	48	....	....	....	47.3
	Minimum	14	28	23	18	26	22	30	28	30	30	28	32	28	34	26	14	8	35	36	40	37	18	10	20	16	30	32	30	....	....	....	25.6
Layton (near)	Maximum	35	35	38	32	32	38	40	41	41	33	38	39	52	46	62	29	32	52	40	65	51	32	28	41	35	36	48	36	....	....	....	40.2
	Minimum	7	22	22	20	6	15	30	22	25	23	24	6	24	34	29	8	1	25	22	32	30	14	4	7	11	30	33	23	....	....	....	19.6
Little Falls§§	Maximum	41	37	46	36	36	40	43	45	46	41	45	41	55	52	66	27	42	57	62	69	44	33	34	42	38	50	51	53	....	....	....	45.4
	Minimum	13	23	30	29	14	22	29	26	31	28	31	16	31	24	33	14	9	17	26	35	33	18	12	18	18	25	36	30	....	....	....	24.0
Long Branch	Maximum	35	44	40	35	35	42	45	42	48	44	44	39	57	51	61	31	40	59	61	69	51	40	28	45	39	53	55	55	....	....	....	46.0
	Minimum	16	30	34	26	20	28	33	31	36	36	26	20	33	32	31	14	13	32	36	48	39	20	15	22	27	37	40	39	....	....	....	29.1
Long Valley	Maximum	34	36	38	30	32	43	42	44	42	33	35	40	50	50	56	40	35	54	58	64	42	30	28	40	35	40	47	36	. ..	....	....	41.2
	Minimum	6	26	26	22	10	22	24	25	30	26	30	9	25	24	40	6	5	25	30	23	25	15	4	20	12	24	32	30	....	....	....	21.3
Moorestown	Maximum	37	36	39	35	36	44	46	49	47	45	41	42	56	54	66	33	42	62	68	70	51	40	28	44	37	59	53	60	....	....	....	47.1
	Minimum	12	30	34	32	18	26	33	29	34	34	29	20	28	29	33	20	13	31	31	51	40	18	16	20	21	28	40	36	....	....	....	28.1
Newark	Maximum	38	37	39	35	36	42	43	43	47	39	42	39	55	50	65	31	38	58	57	70	50	38	27	41	37	51	52	55	....	....	....	44.9
	Minimum	17	30	34	24	20	28	32	33	35	32	25	19	31	32	31	14	11	30	33	46	36	19	16	22	24	33	37	33	....	....	....	27.8
New Brunswick	Maximum	36	37	38	37	35	42	41	46	44	42	40	38	57	52	65	54	38	60	66	74	65	42	36	44	41	53	51	50	....	....	....	47.3
	Minimum	15	27	34	29	15	24	32	28	32	32	35	17	30	28	41	16	7	26	30	44	37	20	12	16	21	31	37	32	....	....	....	26.7
Newton	Maximum	38	35	36	32	33	37	39	42	42	35	38	36	50	47	62	30	31	52	52	65	55	31	24	39	35	36	48	40	....	....	....	40.7
	Minimum	13	25	30	21	11	22	28	23	32	23	26	11	26	27	29	9	4	21	33	37	29	13	8	12	15	28	33	26	....	....	....	22.0
N. Merchantville	Maximum	39	38	39	38	38	45	46	51	49	44	45	43	58	54	67	44	43	63	68	72	65	45	28	46	41	59	58	49	....	....	....	49.1
	Minimum	18	31	36	31	20	28	33	31	35	34	31	21	31	31	44	21	14	31	36	58	41	23	11	19	26	34	40	36	....	....	....	30.2
Paterson	Maximum	37	36	40	36	35	40	42	42	47	38	41	40	54	49	65	36	37	56	55	69	58	39	29	42	39	45	51	42	....	....	....	44.3
	Minimum	16	29	24	26	19	27	32	30	36	30	30	18	31	28	35	15	11	30	30	38	35	19	14	21	21	32	39	31	....	....	....	26.7
Pemberton	Maximum	37	41	39	40	42	45	46	50	49	48	48	50	57	55	66	55	42	61	70	68	64	45	28	42	42	59	59	50	....	....	....	49.9
	Minimum	12	27	35	30	18	26	32	28	31	34	35	18	29	33	47	21	13	27	29	55	41	23	15	17	26	33	40	37	....	....	. ..	29.0
Phillipsburg	Maximum	35	36	39	34	32	40	43	44	45	39	39	38	52	49	64	31	36	56	53	67	47	37	26	41	36	44	52	43	....	....	....	42.8
	Minimum	16	31	34	25	18	27	33	30	30	32	27	19	24	28	31	13	11	25	29	40	36	20	15	19	20	33	34	32	....	....	....	26.1
Plainfield	Maximum	40	38	40	35	37	43	45	49	48	39	41	41	56	53	66	29	37	59	60	71	55	39	30	45	40	54	54	58	....	....	....	46.5
	Minimum	16	28	34	26	17	25	32	28	30	32	28	18	30	27	29	14	12	26	30	42	36	21	14	16	22	32	35	33	....	....	....	26.2
Pleasantville§§	Maximum	38	43	43	37	34	47	47	45	53	51	44	41	56	48	57	28	40	62	58	59	49	31	34	45	50	52	55	60	....	....	....	46.7
	Minimum	13	17	36	33	14	23	26	26	28	38	42	17	27	34	42	24	11	38	30	39	43	27	14	18	28	31	36	31	....	....	....	28.0
Ridgefield	Maximum	36	36	38	33	35	41	42	44	46	40	37	40	55	48	62	28	36	56	55	69	43	35	27	43	38	51	51	58	....	...	....	43.7
	Minimum	13	30	32	22	18	27	32	30	34	31	23	17	31	32	28	13	10	30	32	42	35	19	15	21	22	34	38	31	....	....	....	26.5
Runyon	Maximum	39	38	39	34	31	40	44	42	40	47	42	48	54	48	64	54	43	59	68	74	60	34	34	42	39	57	58	58	....	....	....	47.5
	Minimum	8	28	34	24	8	26	26	27	27	28	37	10	20	30	38	14	4	24	32	40	30	19	12	6	14	30	38	28	....	....	....	23.5
Sandy Hook	Maximum	34	40	38	35	32	39	42	41	44	41	40	38	50	50	61	31	38	53	55	61	47	40	27	43	38	51	50	53	....	...	....	43.3
	Minimum	20	30	34	25	23	30	32	33	36	35	26	22	36	35	30	16	16	33	38	47	39	20	17	23	26	35	39	36	....	....	....	29.7
Somerville (near)	Maximum	38	38	40	36	36	42	42	46	48	42	39	42	56	52	65	51	36	58	61	72	62	43	42	44	42	48	54	53	....	....	....	47.4
	Minimum	13	28	32	27	11	23	31	26	35	30	32	12	31	27	38	14	12	27	32	42	35	18	10	15	17	30	35	31	....	....	....	25.5
Sussex	Maximum	37	37	35	35	36	....	40	....	41	35	34	37	....	48	57	38	32	49	48	57	58	32	24	35	34	42	46	47	....	....	....	40.6c
	Minimum	11	25	25	11	20	....	24	....	29	23	30	11	....	22	34	11	6	26	25	26	31	8	10	14	18	28	34	29	....	....	....	21.2c
Trenton	Maximum	36	39	40	35	35	43	45	48	46	42	42	41	53	53	67	32	40	60	65	69	54	40	26	45	38	57	52	59	....	....	....	46.5
	Minimum	17	31	35	24	21	29	32	33	35	33	26	22	32	35	31	14	13	31	36	54	40	21	16	21	26	33	38	35	....	....	....	29.1
Trenton No. 2	Maximum	36	39	39	36	36	43	46	49	48	42	41	40	56	53	68	32	41	59	66	70	52	39	28	45	39	57	56	46	....	....	....	46.5
	Minimum	14	31	34	23	18	28	32	30	35	33	34	19	31	29	32	15	11	30	34	51	39	21	15	21	25	34	39	35	....	....	....	28.3
Tuckerton	Maximum	40	45	45	41	38	46	45	48	53	58	50	42	58	49	58	36	49	62	60	61	56	45	34	46	45	52	55	57	....	....	....	49.1
	Minimum	14	30	38	33	14	33	34	33	34	35	38	20	31	35	46	20	16	33	35	45	42	22	13	20	30	36	34	37	....	....	....	30.4
New York, N. Y.	Maximum	38	42	45	34	37	45	43	44	46	47	44	38	53	52	62	30	39	56	60	67	53	40	29	42	38	52	53	57	....	....	....	45.9
	Minimum	16	32	32	23	21	29	33	33	36	31	23	19	33	38	29	14	14	32	43	53	35	18	15	25	23	34	38	36	....	....	....	28.9
Philadelphia, Pa.	Maximum	37	39	41	36	36	44	46	49	50	47	46	42	55	53	66	35	41	62	67	70	54	41	27	43	39	58	54	59	....	....	....	47.8
	Minimum	20	31	35	26	25	32	34	35	36	34	31	24	33	38	33	16	14	34	41	54	39	19	16	23	28	35	41	37	....	....	....	30.9

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLIV. March, 1939. No. 3.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

March, 1939 was the sixth consecutive month with temperature averaging above normal in New Jersey, the average for this month being 1.0° above. The first decade was generally mild. This was followed by comparatively cold weather until about the 24th, when a warm period began, lasting through the 27th. During this latter period, maximum temperatures of 70° or above were common, and several stations registered above 80° on the 25th. Warmth was not sufficient, however, to advance vegetation, which remained dormant at the close of the month.

This was the third consecutive month with precipitation above normal, the average for the State being 28 percent above the normal amount for March. It was mostly in the form of rain. Snowfall was less than half the normal but averaged exactly the same as for the preceding month of February, 2.0 inches. The number of days with precipitation was unusually large, and much cloudy and wet weather prevailed with less than the usual amount of sunshine. Because of the wet soil, little field work was accomplished by farmers and truck growers.

Moderately strong winds prevailed especially in coastal areas on the 6th, 12th, 13th, 21st and 25th; no serious damage was reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 40.1°, which was 1.0° above normal. The highest temperature was 83° at Bridgeton and North Merchantville on the 25th, and the lowest, 2°, at Sussex on the 15th. The greatest daily range of temperature was 48° at Elizabeth on the 24th. The highest monthly mean temperature was 43.4° at Belleplain, and the lowest, 34.5° at Layton (near).

The temperature departure from the normal for the year, 1939, to date, for the State is +7.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 4.83 inches, which was 1.05 inches above normal. The average total snowfall at 20 selected stations was 2.0 inches, which was 2.8 inches below normal. The greatest monthly precipitation was 7.05 inches, at Pleasantville, and the least, 2.70 inches at Sussex. The greatest amount of precipitation in any 24 consecutive hours was 1.87 inches at Atlantic City on the 30th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +3.40 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 4, 5, 26, 30. Thunderstorms: 6, 25, 30.
Sleet: 11, 12, 13, 29, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	30.09	30.63	8	29.38	13	16.8	46	nw.	13	74	64	65	55
Long Branch	30.07	30.61	8	29.39	13	12.1	42	nw.	6	70	59	67	44
Ridgefield	30.06	30.60	8	29.42	13	..	....	....	....	....	....	....	....
Sandy Hook	30.06	30.60	8	29.42	13	15.6	43	w.	6	76	66	72	57
Trenton	30.07	30.63	8	29.43	13	10.0	27	nw.	13	62	56	71	48

COMPARATIVE DATA FOR MARCH.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	**30.4**	66	2	**1.10**	......	......	......	......	......
1886	37.7	70	9	3.70	......	......	......	......	......
1887	37.7	61	8	3.34	......	10	......	......	......
1888	32.8	72	0	5.71	......	11	......	......	......
1889	40.5	67	19	3.79	......	8	......	......	......
1890	37.6	78	0	6.08	......	14	......	......	......
1891	37.2	68	4	5.06	......	12	8	10	13
1892	34.4	64	6	4.75	......	9	10	12	9
1893	37.0	68	6	3.73	......	10	10	10	11
1894	44.2	83	12	1.77	......	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	**−15**	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	**7.61**	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	**20.5**	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	**49.1**	**92**	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
1938	43.2	85	−1	2.15	1.6	11	12	7	12
1939	40.1	83	2	4.83	2.0	13	12	7	12
Period	39.1	92	−15	3.78	4.8	11	12	9	10

Climatological Data for March, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	42.0	+3.4	74	25	23	19	29	6.04	+2.44	1.87	1.3	13	7	8	16	w.	U. S. Weather Bureau
Belleplain	Cape May	49	45	43.4	+1.9	82	25	16	3†	42	5.90	+2.14	1.30	1.0	14	13	10	8	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	37.4	−1.2	72	24	15	11†	37	4.72	+1.03	1.17	6.8	11	15	2	14	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	35.8	+0.4	69	27	13	11	41	5.14	+1.50	1.07	......	11	12	2	17	nw.	John Kline.
Bridgeton	Cumberland	30	56	43.3	+0.7	83	25	20	3	41	4.82	+0.98	0.88	T.	14	18	4	9	nw.	Bennett K. Matlack
Burlington	Burlington	12	§53	42.0	+0.7	78	25	20	3†	38	5.19	+1.48	0.90	2.0	14	16	4	11	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	.....	......	.....	.....	.....	.....	....	4.03	....	0.88	2.0	14	9	6	16	nw.	Central Airport, Inc.
Canoe Brook	Essex	180	8	36.6	......	74	28	13	11	43	5.77	....	1.07	......	11	11	8	12	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	35.2	−1.1	69	27	9	3†	37	4.32	+0.33	1.44	8.5	10	17	1	13	w.	Newark Water Dept.
Chatham	Morris	185	35	.....	......	....	.....	.....	.....	....	5.97	+1.93	1.12	......	13	18	6	7	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	42.8	+0.8	82	25	19	19	43	5.92	+2.40	1.13	T.	11	14	0	17	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	.....	......	.....	.....	.....	.....	....	3.81	+0.29	0.90	6.8	10	16	2	13	w	L. S. Depue.
Dover	Morris	600	55	36.4	+0.5	70	27	13	11†	34	4.35	+0.33	0.85	9.0	14	7	12	12	......	William C. Harris
Elizabeth	Union	34	60	40.8	+1.4	78	24	16	11	48	4.42	+0.46	0.91	4.8	14	15	2	14	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§53	40.6	0.0	76	24	17	11†	43	4.11	+0.45	0.76	6.0	15	18	5	8	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	40.4	......	72	27	17	19	39	5.11	+0.46	1.01	2.3	17	16	8	7	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	42.6	......	82	25	17	3	40	5.79	+1.87	1.12	1.5	10	11	9	11	w.	J. G. Wilson.
Hightstown	Mercer	110	46	39.8	−1.0	70	27	17	11	38	4.24	+0.46	0.85	6.4	14	9	11	11	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	41.6	+0.5	81	25	16	3	40	5.68	+1.60	1.14	2.1	17	10	10	11	w.	Edward Entwistle.
Jersey City	Hudson	81	41	40.6	+0.6	72	24†	16	11	34	5.02	+1.00	0.95	6.3	13	8	10	13	nw.	Jersey Journal.
Lakewood	Ocean	54	35	41.5	+1.2	75	27	17	3	40	5.73	+1.56	1.16	3.0	16	11	2	18	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	39.6	−0.1	73	25†	14	19	41	4.30	+0.51	0.80	4.2	16	15	5	11	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	34.5	−1.6	70	26	6	18	43	3.86	+0.57	0.94	10.4	12	10	6	15	nw.	A. M. Depue.
Little Falls	Passaic	157	§36	37.7	+0.4	72	24	13	11	42	5.31	+1.54	0.97	6.0	11	13	8	10	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	39.3	−0.1	73	27	19	11†	33	5.63	+1.46	1.18	5.3	14	7	7	17	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	34.6	......	67	25	11	11†	34	......	....	......	......	. .	16	12	3	n.	James E. Rice.
Moorestown	Burlington	62	76	40.2	+0.4	79	25	20	3†	37	5.32	+1.64	1.10	2.5	12	8	11	12	n.	Japanese Beetle Laboratory
Newark	Essex	10	40	39.2	−0.1	74	27	15	11	37	4.55	+0.80	0.99	5.3	14	6	13	12	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	39.7	+0.5	73	27	11	11	38	4.42	+0.86	0.80	4.5	13	11	11	9	sw.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	.....	......	.....	.....	.....	.....	....	4.23	+0.88	0.89	......	13	. .	....	....	.....	Hackensack Water Co
Newton	Sussex	769	56	34 8	+1.2	66	24†	10	11†	36	3.71	+0.32	0.80	12.1	11	14	5	12	nw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	.....	......	.....	.....	.....	.....	....	5.06	+1.62	1.35	1.0	13	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	43.0	......	83	25	20	11†	39	4.45	....	0.89	3.6	14	10	8	13	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	39.2	−0.2	71	24	14	11	37	5.05	+1.10	0.94	5.9	15	15	4	12	nw.	E. Stanulis, Evening News
Pemberton	Burlington	55	9	42.5	......	72	24†	20	3†	40	4.87	....	0.89	1.5	14	13	4	14	e.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	38.4	−0.2	73	25	18	19	41	4.21	+0.87	1.19	6.0	13	12	8	11	......	Town Engineer.
Plainfield	Union	120	51	39.0	−0.1	74	27	15	11	40	4.50	+0.54	0.85	4.8	14	10	9	12	nw.	S. K .Pearsou.
Pleasantville‡‡	Atlantic	8	§41	41.1	+0.7	74	25	19	3	40	7.05	+3.64	1.59	......	15	16	6	9	......	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	38.5	+2.0	70	24†	15	11	34	4.52	+0.45	0.99	8.7	11	8	12	11	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	.....	......	74	27	.....	.....	....	4.91	+1.81	0.84	......	12	17	9	5	......	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	39.0	−0.3	68	27	19	11	29	3.99	−0.05	0.98	2.6	13	9	7	15	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	38.2	−0 6	73	27	13	19	39	4.31	+0.64	0.80	5.0	13	7	11	13	w.	Richard H. Rogers.
Sussex	Sussex	450	44	35.2	−1.7	65	24†	2	15	42	2.70	−0.45	0.78	8.8	14	20	6	5	......	Thomas R. Trudgen.
Trenton	Mercer	56	67	39.6	+0.5	70	24	18	11	35	4.39	+0.99	0.83	3.7	14	5	11	15	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	40.2	......	73	25	18	11	38	4.89	....	0.88	3.8	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	42.7	+1.6	72	25	20	8	27	5.86	+1.73	1.14	0.2	14	16	4	11	nw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	.....	......	.....	.....	.....	.....	....	3.99	+0.92	0.84	......	13	....	....	....	......	Hackensack Water Co.
New York, N. Y.	....	10	69	38.8	+1.1	70	24	18	11	34	4.81	+1.17	1.12	4.9	12	6	10	15	nw.	U. S. Weather Bureau.
Philadelphia, Pa	....	26	68	41.7	+0.9	81	25	21	11	38	4.32	+0.93	0.93	4.0	14	8	9	14	nw.	U. S. Weather Bureau.
For the State	....	......	....	40.1	+1.0	83	25	2	15	48	4.83	+1.05	1.87	2.0	13	12	7	12	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-6-27-39-900

Daily Precipitation for March, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	....	....	....	.17	.34	.73	....	....	T.	T.	.65	.85	.01	....	.25	.56	....	....	....	T.	....	.13	....	....	.02	....	.27	.19	T.	1.87	....	6.04
Belleplain	Tuckahoe	.55	....	....	.10	.50	.80	....	....	....	....	.50	.16	.32	....	.05	.93	....	....	....	T	....	.10	....	....	....	.07	.06	.46	....	1.30	....	5.90
Belvidere	Delaware	....	....	....	T.	.26	.47	....	....	.08	....	.50	.54	.45	....	.04	.50	....	....	....	....	....	.14	....	....	....	....	....	1.17	....	.57	....	4.72
Boonton[3]	Passaic	1.07	....	....	....	.29	.46	....	....	.10	....	....	.54	.63	....	....	.74	....	....	....	....	....	T.	....	....	....	.01	....	.70	....	.16	.44	5.14
Bridgeton	Delaware	.36	....	....	.11	.31	.44	....	....	....	....	.28	.21	.46	....	.12	.79	....	....	....	....	....	.13	....	....	....	.05	.06	.62	....	.88	....	4.82
Burlington	....do	.15	....	....	.08	.35	.30	....	....	....	....	.90	.38	.35	....	.45	.45	....	....	....	.02	....	.30	....	....	.06	....	....	.73	....	.67	....	5.19
Camden[2]	....do	....	....	....	.10	.18	.16	....	....	.01	....	.51	.41	T.	....	.71	.13	....	....	....	T.	....	.06	....	....	.14	....	.45	.29	.01	.87	....	4.03
Canoe Brook[3]	Passaic	1.07	....	....	....	.36	.44	....	....	.10	....	....	.65	.84	....	....	.65	....	....	....	....	....	.02	....	....	....	....	....	.90	....	.16	.58	5.77
Charlotteburg	Passaic	....	....	....	....	.34	.32	....	....	.11	....	.03	.96	.48	....	.03	.70	....	....	....	....	....	....	....	....	....	....	....	.87	....	.48	....	4.32
Chatham[3]	....do	1.12	....	....	....	.28	.56	.02	....	.11	....	....	.61	1.08	....	....	.72	....	....	....	....	....	.07	....	....	....	....	....	.84	.03	.15	.38	5.97
Clayton	Delaware	.18	....	....	.09	.48	.30	....	....	....	....	....	.75	.80	....	....	.85	....	....	....	....	....	.12	....	....	....	....	.12	1.13	....	1.10	....	5.92
Culvers Lake	....do	....	....	....	....	.33	.20	....	....	.15	....	.08	.90	.45	....	.10	.35	....	....	....	....	....	....	....	....	....	T.	....	.82	....	.43	....	3.81
Dover	Passaic	....	....	....	*	.44	.32	....	....	.25	....	*	.70	.85	....	*	.32	....	....	....	....	....	.03	....	....	.05	....	*	.84	....	.55	....	4.35
Elizabeth	Coast	.15	....	....	.04	.43	.33	....	....	.04	....	.12	.48	.25	....	.08	.72	....	....	....	....	....	.03	....	....	....	....	.03	.91	....	.81	....	4.42
Flemington	Raritan	.05	....	....	.05	.45	.24	....	....	.02	....	.15	.28	.52	....	.02	.62	....	....	....	....	....	.14	....	....	.04	....	.05	.76	....	.72	....	4.11
Freehold	.do	.13	....	....	.08	.38	.22	....	....	.04	....	.15	.61	.53	....	.07	.82	....	....	....	.02	....	.06	....	....	.06	.01	.06	1.01	....	.86	....	5.11
Hammonton	Mullica	.23	....	....	T.	.52	.40	....	....	....	....	T.	.73	.50	....	T.	1.09	....	....	....	T.	....	.12	....	....	....	.04	T.	1.04	....	1.12	....	5.79
Hightstown	Raritan	.12	....	....	.06	.33	.28	....	....	T.	T.	.10	.44	.44	....	.24	.61	....	....	....	T.	T.	.08	....	....	.08	T.	.04	.67	....	.75	....	4.24
Indian Mills	Mullica	.17	....	....	.10	.40	.24	....	....	.03	....	.21	.38	.58	....	.07	.89	T	....	....	.01	....	.13	....	....	.03	.20	.03	1.11	....	1.10	....	5.68
Jersey City	Coast	.09	....	....	.06	.26	.52	....	....	.08	....	.08	.95	.56	....	.20	.62	....	....	....	T.	....	T.	....	....	T.	....	.04	.76	....	.80	T.	5.02
Lakewood	Metedeconk	.12	....	....	.05	.48	.36	....	....	.02	....	.18	.55	.57	....	.07	.81	....	....	....	.02	....	.10	....	....	.14	T.	.12	.98	....	1.16	....	5.73
Lambertville(nr.)	Delaware	.09	....	....	.14	.30	.40	....	....	.03	....	.18	.80	.24	....	.21	.29	....	....	....	....	....	.12	....	....	.11	....	.05	.53	....	.78	.03	4.30
Layton(near)	....do	T.	....	....	....	.37	.15	....	....	.17	....	*	.80	.50	....	.22	.29	....	....	....	....	....	....	....	....	....	.11	....	.94	....	.30	.01	3.86
Little Falls[3]	Passaic	.97	....	....	....	.36	.33	....	....	.11	....	....	.60	.80	....	....	.71	....	....	....	....	....	....	....	....	....	.01	....	.86	....	.16	.40	5.31
Long Branch[2]‡	Coast	....	....	....	.11	.38	.36	....	....	.03	....	.41	.77	.35	....	.58	.26	....	....	....	.03	....	.05	....	....	T.	....	.37	.81	T.	1.12	....	5.63
Long Valley	Raritan	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Moorestown[3]	Delaware	1.10	....	....	....	.47	.17	....	....	T.	....	....	.61	.40	....	....	.72	....	....	....	....	....	.02	.10	....	....	.11	....	.75	....	.10	.77	5.32
Newark[1]	Coast	....	....	....	.06	.36	.21	....	....	.10	....	.40	.86	.36	....	.64	.09	....	....	....	T.	....	.01	....	....	T.	....	.41	.38	.01	.66	....	4.55
New Brunswick	Raritan	.12	....	....	.03	.40	.26	....	....	T.	T.	.12	.60	.53	....	.04	.75	....	....	....	T.	....	.04	....	....	T.	....	.01	.79	....	.73	....	4.42
New Milford[2]‡	Hackensack	....	....	....	.04	.29	.37	....	....	.14	....	.37	.89	.67	....	.53	.14	....	....	....	....	....	....	....	....	.02	....	.26	.60	....	.51	....	4.23
Newton	Delaware	T	....	....	.01	.33	.31	....	....	.16	....	.10	.80	.38	....	.10	.32	....	....	....	....	....	....	....	....	T.	T.	.80	....	.40	....	....	3.71
Northfield	Coast	.24	....	....	.09	.41	.62	....	....	T.	....	.20	.56	.50	....	.03	.43	....	....	....	T.	....	.09	....	....	....	T.	.11	.43	....	1.35	....	5.06
N. Merchantville	Delaware	.06	....	....	.06	.40	.14	....	....	T.	....	.27	.35	.33	....	.12	.74	....	....	....	T.	....	.12	....	....	.05	.20	T.	.72	....	.89	....	4.45
Paterson	Passaic	.03	....	....	.08	.31	.32	....	....	.17	....	.15	.94	.74	....	.19	.55	....	....	....	....	.04	....	....	....	....	.05	.51	.34	....	.63	....	5.05
Pemberton	Delaware	.42	....	....	.08	.44	.17	....	....	....	....	.19	.28	.46	....	...	.75	....	....	....	.01	....	.06	....	....	.24	T.	T.	.89	....	.88	....	4.87
Phillipsburg	....do	....	....	....	.02	.32	.25	....	....	T.	....	.28	1.19	.18	....	.36	.09	....	....	....	....	....	.11	....	....	.05	....	.11	.76	....	.49	....	4.21
Plainfield	Raritan	.13	....	....	.08	.48	.24	....	....	.04	....	.41	.68	.13	....	.28	.41	T.	....	....	T.	....	.03	....	....	....	....	.20	.54	....	.85	....	4.50
Pleasantville[3]	Coast	1.59	....	....	....	.50	.53	.10	....	T.	T.	....	.70	.53	.02	....	.82	....	....	....	....	....	.12	.01	....	....	.05	....	.55	.15	.48	.90	7.05
Ridgefield[2]	Hackensack	....	....	....	....	.37	.33	T.	....	.11	....	.45	.54	.48	....	.35	.39	....	....	....	T.	....	T.	....	....	T.	T.	.36	.54	....	.60	....	4.52
Runyon	Coast	.18	....	....	.06	.39	.28	....	....	....	....	.15	.68	.60	....	.32	.66	....	....	....	....	....	....	....	....	....	....	.06	.78	....	.75	....	4.91
Sandy Hook[1]‡	Coast	....	....	....	.08	.35	.24	....	....	.02	T.	.33	.51	.09	....	.45	.21	....	....	....	T.	....	.05	....	....	T.	....	.44	.54	....	.68	....	3.99
Somerville(near)	Raritan	.03	....	....	T.	.50	.18	....	....	.05	....	.14	.72	.42	....	.18	.46	....	....	....	....	....	.09	....	....	T.	....	.07	.67	....	.80	....	4.31
Sussex	Hudson	.01	....	....	....	.34	.17	....	....	.20	....	.03	.50	.15	....	.02	.04	....	....	....	....	....	....	....	....	....	.02	.04	.78	....	.38	.02	2.70
Trenton[1]‡	Delaware	....	....	....	.07	.28	.18	....	....	.01	....	.50	.49	.06	....	.74	.09	....	....	....	T.	....	.11	....	....	.34	...	.35	.34	T.	.83	....	4.39
Trenton No. 2[2]	Delaware	....	....	....	.07	.31	.19	....	....	T.	....	.43	.73	.05	....	.77	.12	....	....	....	T.	....	.11	....	....	.41	....	.42	.40	T.	.88	....	4.89
Tuckerton	Coast	.46	....	....	.19	.51	.56	....	....	.02	....	T.	.68	.57	....	.09	.93	....	....	....	....	....	.02	....	....	....	.07	.07	.55	....	1.14	...	5.86
Woodcliff Lake[2]‡	Hackensack	....	....	....	.04	.30	.20	....	....	.14	....	.39	.84	.09	....	.53	.13	....	....	....	....	....	....	....	....	.02	....	.21	.58	....	.52	....	3.99
New York, N. Y[1]‡	Coast	....	....	....	.06	.33	.18	....	....	.06	....	.45	.99	.13	....	.75	.21	....	....	....	T.	....	T.	....	....	T.	....	.46	.43	T.	.76	....	4.81
Phila., Pa[1]‡	Delaware	....	....	....	.04	.35	.13	....	....	.01	....	.58	.48	.01	....	.74	.11	....	....	....	T.	....	.22	....	....	.10	T.	.40	.22	T.	.93	....	4.32

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Canoe Brook[3]	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville[3]	Evaporation	.086	.048	.096	*	*	*	*	.234	.160	.160	.060	.050	.180	.160	.070	032	.048	....	.160	.096	.120	.042	.096	.160	.130	.096	*	*	*	.032	.128	2.394
	Wind movement	84	48	58	38	62	120	90	92	121	77	178	52	141	56	108	60	45	52	96	121	79	62	72	48	76	45	89	80	82	76	52	2460
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for March, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	53	39	42	49	61	59	49	38	65	48	40	41	44	51	49	49	46	40	36	47	43	41	49	61	74	52	58	43	41	56	52	48.9
	Minimum	38	31	29	39	43	42	33	25	38	33	29	38	33	33	39	36	32	30	23	34	28	30	28	40	45	41	43	39	33	39	43	35.1
Belleplain	Maximum	60	46	52	51	63	61	56	53	66	64	49	43	45	50	54	54	46	42	38	53	52	42	51	72	82	75	70	64	59	58	55	55.7
	Minimum	44	32	16	22	43	46	33	19	24	33	25	37	32	29	28	40	21	20	16	23	26	26	22	34	47	40	46	37	29	35	40	31.1
Belvidere	Maximum	40	39	47	45	47	57	46	35	58	49	36	32	38	47	40	40	36	34	31	45	45	36	51	72	64	64	58	50	49	47	47	46.0
	Minimum	36	28	18	29	40	40	31	17	27	30	15	21	29	30	24	32	30	18	15	27	22	22	24	35	36	39	45	32	25	33	40	28.7
Boonton§§	Maximum	45	37	44	48	50	58	41	36	53	41	29	34	39	43	47	46	39	34	32	45	36	39	49	68	67	61	69	41	47	47	47	45.5
	Minimum	32	28	16	21	33	38	34	18	19	28	13	15	27	30	23	29	21	18	16	18	24	24	21	27	35	38	39	33	27	31	36	26.2
Bridgeton	Maximum	55	41	49	49	63	61	58	45	67	63	47	43	44	50	56	53	44	42	37	56	48	39	53	72	83	64	69	61	53	57	52	54.0
	Minimum	40	30	20	28	43	47	33	24	27	34	24	32	32	30	36	42	25	26	21	27	27	26	25	31	45	41	50	38	30	35	42	32.6
Burlington	Maximum	58	45	47	49	54	62	59	43	63	59	46	37	43	46	55	53	44	40	37	49	50	40	52	70	78	60	71	58	49	51	52	52.3
	Minimum	43	32	20	26	42	44	35	21	28	33	20	30	31	33	35	33	25	25	20	27	26	25	25	32	43	40	46	37	30	35	43	31.8
Canoe Brook§§	Maximum	46	40	45	50	50	60	44	38	56	44	31	33	49	44	53	48	41	37	34	46	38	42	51	72	61	64	74	41	47	46	49	47.5
	Minimum	32	24	18	24	37	34	32	17	21	29	13	15	29	31	20	26	17	15	15	23	22	23	17	29	32	38	37	34	25	34	38	25.8
Charlotteburg	Maximum	52	43	44	47	48	56	56	40	49	48	40	31	36	43	41	44	42	35	31	45	45	37	47	66	67	64	69	47	46	44	45	46.7
	Minimum	31	24	9	22	38	33	30	13	17	25	10	18	25	30	11	34	13	10	9	20	19	19	18	29	33	35	39	30	21	31	38	23 7
Clayton	Maximum	59	45	46	50	56	62	59	43	65	61	45	40	44	48	56	55	44	41	38	53	52	41	50	69	82	81	69	64	50	56	53	54.1
	Minimum	44	31	20	27	43	46	32	22	22	34	20	31	31	31	28	41	24	23	19	25	26	25	29	29	47	40	49	36	29	35	42	31.6
Dover	Maximum	51	37	45	47	49	59	46	37	52	42	28	33	38	44	47	49	40	35	32	46	39	40	49	69	68	63	70	42	45	45	44	46.2
	Minimum	34	24	15	28	41	36	27	16	34	25	13	25	27	28	21	30	19	15	13	24	21	22	20	35	39	37	40	32	25	32	29	26.7
Elizabeth	Maximum	56	44	54	53	51	62	59	40	56	56	43	33	42	48	46	53	51	41	37	46	46	46	53	78	70	61	77	53	50	46	58	51.9
	Minimum	40	30	18	26	43	40	34	18	25	30	16	25	30	32	28	41	20	20	18	25	24	25	20	30	40	40	40	35	30	35	43	29.7
Flemington	Maximum	53	41	50	49	53	61	57	43	61	56	45	33	42	50	44	52	44	40	40	50	46	45	58	76	70	59	72	50	52	48	53	51.4
	Minimum	39	30	19	27	41	40	32	19	27	31	17	23	29	30	32	37	24	20	17	25	24	23	23	33	46	40	42	31	28	34	41	29.9
Freehold	Maximum	60	41	47	52	50	61	56	40	61	53	41	36	40	45	51	53	42	39	35	47	45	41	50	70	64	63	72	48	45	56	52	50.2
	Minimum	40	30	19	30	43	43	33	18	26	31	18	31	28	31	30	39	25	23	17	25	24	24	21	31	42	39	44	35	30	33	42	30.5
Hammonton	Maximum	59	47	50	52	57	62	61	42	66	63	45	40	44	49	52	55	46	42	37	54	54	41	51	71	82	69	69	65	49	58	58	54.5
	Minimum	44	30	17	24	43	44	31	19	26	33	20	30	30	30	25	41	24	21	18	23	24	25	22	33	49	39	47	36	28	33	41	30.6
Hightstown	Maximum	59	42	45	49	50	61	54	39	60	53	41	35	40	45	51	54	42	37	33	46	46	42	50	69	63	58	70	49	45	50	51	49.3
	Minimum	41	30	20	29	42	43	32	20	28	31	17	29	29	30	27	39	25	22	19	26	24	23	23	31	42	39	44	35	28	34	41	30.4
Indian Mills	Maximum	59	42	48	50	56	62	56	40	66	56	38	39	42	47	54	54	43	40	36	52	45	40	51	71	81	67	71	55	48	58	50	52.2
	Minimum	42	32	16	26	43	46	31	20	27	34	20	32	31	31	27	39	22	19	17	25	26	25	21	31	49	40	47	37	29	35	42	31.0
Jersey City	Maximum	60	46	47	49	51	64	45	40	54	49	30	35	41	48	43	52	43	39	35	48	46	42	51	72	64	57	72	46	48	48	49	48.8
	Minimum	37	31	26	32	43	45	36	20	34	30	16	29	29	34	30	36	30	27	20	31	25	26	26	38	40	40	45	36	30	37	45	32.4
Lakewood	Maximum	58	42	47	51	51	63	58	41	65	59	41	39	43	49	50	54	44	40	38	50	45	43	53	72	64	62	75	51	44	60	56	51.9
	Minimum	42	32	17	25	44	43	34	20	27	34	21	28	32	30	26	42	22	23	18	24	25	26	22	32	44	40	43	37	32	36	43	31.1
Lambertville (near)	Maximum	55	40	45	47	50	60	57	38	60	50	39	34	40	50	48	52	40	37	34	44	48	40	62	71	73	58	73	52	46	49	48	49.7
	Minimum	38	29	29	28	36	42	32	17	26	29	20	16	16	28	32	36	24	19	14	24	22	22	21	40	48	40	48	34	29	34	40	29.5
Layton (near)	Maximum	49	37	45	47	50	59	44	41	45	42	26	30	37	43	39	42	35	31	33	45	41	38	53	67	69	70	66	43	41	38	45	44.9
	Minimum	33	24	10	29	37	35	20	14	17	26	14	17	28	31	14	30	11	6	8	24	21	19	29	24	28	39	41	30	22	30	37	24.1
Little Falls§§	Maximum	46	40	48	51	50	61	42	38	50	42	30	39	45	46	51	49	42	42	40	48	38	42	54	72	64	62	71	44	48	47	49	48 1
	Minimum	32	28	17	24	40	37	33	17	21	28	13	17	27	32	22	34	21	19	16	25	23	24	22	30	36	38	40	33	26	34	38	27.3
Long Branch	Maximum	61	38	42	50	51	63	45	35	61	44	36	37	40	47	52	48	43	38	34	49	40	41	50	65	56	51	73	40	41	58	51	47.7
	Minimum	35	30	21	31	43	39	27	21	29	30	19	33	30	32	32	32	27	26	19	27	21	27	24	35	40	39	40	36	33	38	42	30.9
Long Valley	Maximum	45	32	44	40	49	60	40	35	54	40	24	29	44	46	43	44	40	32	28	43	30	34	52	65	67	66	62	38	40	45	45	43.7
	Minimum	34	24	13	24	40	38	28	12	23	25	11	23	22	20	24	35	18	14	11	21	20	20	18	34	40	35	43	24	24	30	38	25.4
Moorestown	Maximum	48	39	47	50	55	61	46	39	63	45	34	38	41	45	52	47	42	38	39	51	40	42	50	71	79	63	70	46	49	52	48	49.4
	Minimum	37	25	20	27	38	40	28	22	28	30	20	32	32	33	30	41	27	23	20	24	26	25	24	34	43	41	40	37	35	36	40	30.9
Newark	Maximum	58	39	46	51	51	62	43	38	53	43	32	34	40	45	52	48	41	36	34	46	38	41	50	71	57	58	74	41	46	50	50	47.4
	Minimum	36	30	24	32	43	40	27	20	30	26	15	27	30	35	30	33	28	27	20	29	25	26	26	34	39	39	40	35	30	38	44	30.9
New Brunswick	Maximum	55	42	44	49	51	61	59	42	57	56	47	33	40	45	43	56	43	40	35	48	47	40	49	70	69	56	73	50	45	50	50	49.8
	Minimum	41	29	19	28	43	41	33	18	27	31	11	25	29	29	29	31	24	22	18	24	24	23	23	32	44	40	41	34	29	34	42	29.6
Newton	Maximum	41	38	43	43	51	56	48	35	50	43	32	30	35	41	39	44	35	35	31	45	45	37	49	66	64	66	65	44	42	44	41	44.5
	Minimum	36	24	12	27	33	40	28	13	23	25	10	16	25	29	20	34	20	10	10	20	19	19	24	36	35	38	29	24	32	29	38	25.1
N. Merchantville	Maximum	59	42	50	51	58	62	57	42	64	55	45	37	43	48	55	53	44	41	38	51	49	42	54	74	83	64	71	56	53	52	51	53.0
	Minimum	42	32	22	29	43	45	35	22	30	34	20	31	32	34	30	41	29	25	20	28	27	26	27	35	49	40	52	36	30	36	43	33.1
Paterson	Maximum	53	40	46	51	50	61	51	38	49	45	37	34	41	46	42	50	52	37	34	47	45	42	51	71	65	60	70	45	48	44	51	48.3
	Minimum	38	23	21	31	42	41	32	18	29	29	14	25	29	33	29	32	32	17	18	28	24	26	23	34	41	39	43	34	28	36	43	30.1
Pemberton	Maximum	59	44	49	52	54	62	60	45	63	59	45	39	42	48	52	54	44	40	37	52	49	43	51	72	72	63	72	57	48	57	53	52.8
	Minimum	43	33	20	28	43	46	34	22	28	34	20	33	32	32	28	41	25	23	20	26	26	25	23	32	46	41	51	37	30	34	43	32.2
Phillipsburg	Maximum	47	39	44	48	52	58	44	40	57	46	32	34	39	45	48	45	39	35	34	49	41	40	51	71	73	63	63	45	50	45	46	47.2
	Minimum	35	27	21	30	40	40	30	20	30	30	19	23	30	30	27	32	25	20	18	29	24	24	25	30	40	40	42	33	28	34	41	29.6
Plainfield	Maximum	56	42	47	51	52	60	47	39	58	47	30	33	41	46	46	53	44	41	36	46	39	45	52	71	61	57	74	44	47	49	50	48.5
	Minimum	37	32	20	28	42	40	30	18	26	30	15	28	29	30	28	35	24	22	17	25	23	24	23	31	40	40	42	34	28	35	40	29.6
Pleasantville§§	Maximum	51	47	42	50	62	61	48	43	66	46	40	40	44	49	50	48	45	39	41	53	42	40	52	70	74	62	65	42	42	57	51	50.4
	Minimum	46	32	19	26	39	44	33	21	26	35	26	30	33	30	28	43	23	24	20	26	28	27	22	31	45	41	43	40	31	34	41	31.8
Ridgefield	Maximum	59	41	46	52	49	61	42	38	47	42	30	34	38	45	54	52	41	38	34	46	38	41	50	70	62	58	70	42	48	45	51	47.2
	Minimum	41	26	21	31	43	41	24	19	29	25	15	24	27	30	28	32	26	23	18	29	24	24	21	36	43	39	42	35	29	37	43	29.8
Runyon	Maximum	63	52	44	49	52	63	58	42	63	54	34	33	40	43	48	50	44	38	42	46	48	44	50	72	68	59	74	56	48	49	54	51.0
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Sandy Hook	Maximum	55	38	43	48	48	59	42	36	53	43	35	36	40	44	51	47	41	38	32	44	39	40	48	66	53	48	68	41	42	49	48	45.6
	Minimum	36	32	30	36	41	40	28	21	32	28	19	31	31	36	36	34	31	28	22	30	26	26	27	37	41	40	40	36	33	37	43	32.5
Somerville (near)	Maximum	53	43	47	49	50	61	58	39	57	53	34	32	38	45	45	51	40	37	33	47	42	43	51	71	62	59	73	44	48	45	47	48.3
	Minimum	38	27	16	29	42	39	31	14	26	30	14	22	28	30	26	35	23	18	13	23	22	22	20	32	41	38	43	33	23	33	40	28.1
Sussex	Maximum	43	44	44	46	49	57	52	40	55	35	30	32	36	47	44	37	34	35	34	44	45	36	50	65	65	65	65	44	43	43	44	45.3
	Minimum	37	27	16	27	33	37	33	11	22	27	12	18	27	31	2	35	12	10	10	25	22	22	19	24	34	39	42	31	25	31	39	25.2
Trenton	Maximum	57	38	45	49	52	63	44	38	61	45	34	34	42	44	53	47	40	37	34	48	39	40	51	70	70	58	70	42	46	52	48	48.1
	Minimum	35	30	25	32	43	39	28	21	30	29	18	30	30	32	31	33	29	25	19	29	26	24	26	35	41	40	41	35	30	35	40	31.0
Trenton No. 2	Maximum	57	41	47	50	52	62	44	39	62	46	32	34	42	46	53	52	43	38	35	49	43	42	52	72	73	58	72	44	49	52	49	49.4
	Minimum	37	30	21	31	43	43	30	20	30	32	18	31	30	32	29	35	27	23	19	28	25	25	24	34	41	40	43	36	29	36	42	31.1
Tuckerton	Maximum	58	50	44	49	58	59	57	46	63	58	47	42	46	50	49	50	46	44	47	51	48	42	48	61	72	56	69	55	43	53	58	52.2
	Minimum	45	32	24	32	42	44	34	20	32	35	24	35	32	32	33	42	26	27	21	27	26	27	22	34	47	41	46	38	31	38	40	33.2
New York, N. Y.	Maximum	57	38	45	49	52	60	42	38	51	42	34	36	39	45	52	49	42	37	34	45	38	41	48	70	59	55	68	41	48	49	50	46.9
	Minimum	35	28	28	35	43	39	24	19	31	23	18	29	29	34	34	33	29	26	19	31	23	24	25	36	39	40	40	35	30	35	42	30.8
Philadelphia, Pa.	Maximum	58	42	45	48	58	61	47	40	64	47	35	37	43	48	55	49	42	38	36	51	42	43	51	71	81	63	68	44	49	52	51	50.3
	Minimum	35	32	29	35	44	40	31	24	32	31	21	32	32	35	33	36	33	27	22	29	27	27	29	37	43	41	42	37	30	36	43	33.1

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

NNJ

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLIV. April, 1939. No. 4.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April this year was slightly colder than usual and was the first month since September, 1938, to average colder than normal. Temperature continued near or below normal most of the time. The only days that were unusually warm, for the season, were the 11th, 12th and 25th. Most stations registered their monthly maximum of around 85° on the 25th, and most of them recorded their lowest temperature on the 13th. There were only a few days with freezing temperature during the month.

This was the wettest April since 1929 and the fourth consecutive month with greater than normal precipitation. Rains were frequent throughout the month and kept the soil saturated so that little field work could be done by farmers and truck growers. There were no unusually heavy 24-hour falls, however, and no snow of importance, the heaviest being 1.0 inch at Lambertville. Sunshine was deficient.

Small grains, pastures and meadows were reported in good condition at the close of the month.

A violent windstorm occurred at Camden Airport on the 19th, during the passage of a cold front. It was very local in character and little damage was done. A plane was picked up and carried about forty feet.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 48.3°, which was 1.4° below normal. The highest temperature was 89° at Elizabeth, North Merchantville and Paterson on the 25th, and the lowest, 20 , at Layton(near) on the 8th. The greatest daily range of temperature was 45° at Layton(near) on the 25th. The highest monthly mean temperature was 52.5° at Belleplain, and the lowest, 44.8° at Layton(near).

The temperature departure from the normal for the year, 1939, to date, for the State is +1.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 44 stations, was 5.12 inches, which was 1.51 inches above normal. The average total snowfall at 20 selected stations was 0.1 inch, which was 1.1 inches below normal. The greatest monthly precipitation was 6.61 inches, at Camden, and the least, 3.44 inches at Sandy Hook. The greatest amount of precipitation in any 24 consecutive hours was 2.07 inches at North Merchantville on the 6-7th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +4.91 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 11, 18, 19, 26, 27, 28.

Sleet: 9, 16. Thunderstorms: 1, 2, 6, 15, 18, 19, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.97	30.39	14	29.44	2	18.3	44	w.	12	74	63	71	51
Long Branch	29.94	30.45	17	29.39	2	13.1	42	nw.	12	70	51	62	50
Ridgefield	29.93	30.43	7	29.38	2	...	....	.. ..	....	....	....	....	....
Sandy Hook	29.94	30.43	17	29.40	2	14.8	48	nw.	12	76	65	74	56
Trenton	29.94	30.40	17	29.42	1	10.2	30	w.	12	70	53	62	44

COMPARATIVE DATA FOR APRIL.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	......	......	......	......	......
1886	50.6	86	27	3.40	......	......	......	......	......
1887	47.3	87	16	2.70	......	7	......	......	......
1888	47.9	92	22	3.28	......	9	......	......	......
1889	51.2	83	25	5.32	......	12	......	......	......
1890	50.4	86	21	2.65	......	8	......	......	......
1891	52.0	88	20	2.19	......	8	13	11	6
1892	49.3	87	19	2.49	......	8	9	13	8
1893	49.2	82	19	5.21	......	11	9	10	12
1894	50.3	88	10	3.09	......	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	**1.35**	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	3	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49.3	85	16	4.64	T.	12	11	9	10
1938	53.0	94	12	2.82	2.8	9	14	8	8
1939	48.3	89	20	5.12	0.1	14	9	8	13
Period	49.7	98	3	3.61	1.2	10	12	9	9

Climatological Data for April, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	49.0	+1.2	79	25	30	5	25	5.78	+2.79	1.70	T.	17	7	10	13	w.	U. S. Weather Burean.
Belleplain	Cape May	49	45	51.5	+1.0	86	25	26	5†	36	6.02	+2.32	1.78	0	14	14	4	12	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	45.6	−4.0	85	25	25	4	41	5.72	+1.96	1.60	T.	13	11	5	14	.....	Miss C. S. Hixson.
Boonton	Morris	280	§49	45.9	−2.2	86	25	26	8	38	6.06	+2.16	1.53	......	13	13	3	14	ne.	John Kline.
Bridgeton	Cumberland	30	56	50.8	−1.5	88	25	28	5	33	4.71	+1.11	0.87	0	16	15	1	14	w.	Bennett K. Matlack
Burliugton	Burlington	12	§53	50.8	−1.2	86	25	30	5†	34	6.14	+2.40	1.50	0	15	11	8	11	nw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	6.61	....	2.01	T.	16	8	4	18	nw.	Central Airport, Inc.
Canoe Brook	Essex	180	8	45.6	......	86	25	24	8	43	5.17	....	1.20	......	12	10	12	6	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	45.2	−1.4	86	25	21	1	42	5.89	+1.57	1.31	......	13	9	8	13	w.	Newark Water Dept.
Chatham	Morris	185	35	......	......	....	......	......	......	....	5.66	+1.44	1.24	......	16	16	4	10	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	50.4	−0.8	85	25	28	13	34	5.50	+1.89	1.10	0	13	10	0	20	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	4.84	+1.31	1.24	T.	9	4	13	13	sw.	L. S. Depue.
Dover	Morris	600	55	45.4[a]	−2.0	86	25	25	13	36	6.23	+2.17	1.42	0.2	14	1	13	16	......	William C. Harris
Elizabeth	Union	34	60	49.6	−1.3	89	25	27	5	42	4.17	+0.33	1.05	T.	13	10	8	12	nw.	Union County Park Comn
Flemington	Huuterdon	140	§53	49.2	−1.0	86	25	28	13	38	5.50	+1.88	1.70	0.5	16	13	7	10	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	48.6	......	85	25	27	5†	34	4.43	+0.79	1.57	T.	15	13	8	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	50.5	......	86	25	26	5	38	4.69	+0.91	0.97	T.	13	14	2	14	w.	J. G. Wilson.
Hightstown	Mercer	110	46	48.4	−2.0	83	25	27	13	35	4.34	+0.45	1.63	0.5	15	8	11	11	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	49.8	−0.7	87	25	28	5†	35	4.98	+1.18	1.20	0.4	14	7	11	12	w.	Edward Entwistle.
Jersey City	Hudson	81	41	50.2	0.0	87	25	29	13	35	4.19	+0.44	1.35	T.	14	4	17	9	nw.	Jersey Journal.
Lakewood	Ocean	54	35	50.0	+0.5	88	25	27	5	36	5.43	+1.48	1.53	T.	16	7	11	12	sw.	R. W. Holmau.
Lambertville (near)	Hunterdon	430	52	48.4	−1.8	83	25	25	13†	33	5.43	+1.63	1.18	1.0	15	12	7	11	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	44 8	−2.3	87	25	20	8†	45	4.37	+0.88	1.02	T.	14	3	3	24	w.	A. M. Depue.
Little Falls	Passaic	157	§36	46.9	−1.4	87	25	27	13	41	5.11	+0.95	1.11	T.	15	6	12	12	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	47.8	−0.4	86	25	27	13	32	4.30	+0.03	1.62	T.	15	4	9	17	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	......	......	......	......	......	......	....	....	....	....	......	....	....	....	....	......	James E. Rice.
Moorestown	Burlington	62	76	49.0	−1.5	85	25	29	5†	35	6.04	+2.36	1.77	T.	13	6	10	14	n.	Japanese Beetle Laboratory
Newark	Essex	10	40	47.8	−2.4	87	25	28	13	35	4.00	+0.12	1.41	T.	15	4	12	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	48.0	−1.7	84	25	27	13	37	3.89	+0.28	1.69	T.	15	7	9	14	w.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	4.33	+0.91	1.12	......	14	....	....	.. .	......	Hackensack Water Co
Newton	Sussex	769	56	45.0	−3.0	84	25	22	13	34	5.03	+1.50	1.05	0.2	15	4	5	21	nw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	......	......	......	......	......	.....	...	....	....	....	......	....	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	51.8	......	89	25	29	13	33	6.61	.. ..	2.07	T.	15	9	9	12	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	48.4	−2.3	89	25	28	13	40	5.31	+1.48	1.27	T.	12	7	7	16	nw.	E. Stanulis, Evening News
Pemberton	Burlington	55	9	50.3	......	85	25	28	5†	33	5.89	....	1.82	0	15	11	3	16	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	48.0	−1.6	84	25	28	13	35	4.94	+1.55	1.47	T.	14	8	13	9	......	Town Engineer.
Plainfield	Union	120	51	48.2	−1.2	87	25	28	13	38	4.37	+0.58	1.44	0.5	18	6	10	14	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	48.6	−0.3	86	25	26	5	33	6.61	+3.18	1.91	......	15	12	7	11	w.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	47.0	−0.9	88	25	28	13	38	4.30	+0.85	1.38	0.2	13	5	13	12	nw.	George P. Kirsteu.
Runyon‡‡	Middlesex	18	16	46.6	−2.0	85	25	25	5†	41	3.73	−0.23	1.20	......	10	14	10	6	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	47.2	−1.1	83	25	31	13	31	3.44	−0.18	1.32	T.	15	5	10	15	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	46.8	−2.7	85	25	26	13	38	5.66	+2.00	1.39	0.5	15	3	7	20	nw.	Richard H. Rogers.
Sussex	Sussex	450	44	......	......	......	......	......	......	....	....	....	....	......	....	....	....	....	......	Thomas R. Trudgen.
Trenton	Mercer	56	67	49.0	−0.8	85	25	28	13	31	5.31	+2.37	1.84	0.3	15	3	13	14	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	49.1	......	85	25	28	13	35	6.13	....	1.81	0.3	14	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	49.3	−0.3	86	25	28	13	28	4.53	+0.76	0.86	0	14	13	5	12	nw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	4.25	+0.81	1.17	......	14	...	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	69	47.8	−1.6	83	25	27	13	32	3.90	+0.67	1.45	T.	15	4	11	15	nw.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	68	50.4	−1.7	85	25	29	13	28	6.40	+3.35	1.76	T.	15	4	14	12	nw.	U. S. Weather Bureau.
For the State	......	......	....	48.3	−1.4	89	25	20	8†	45	5.12	+1.51	2.07	0.1	14	9	8	13	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record, Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-7-18-89-900

Daily Precipitation for April, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.28	.03				1.70		T.	.12	.14	.01	.09			.03	.51	.23	.62	.08			T.				1.47	.01	.37	.02	.07		5.78
Belleplain	Tuckahoe		.37				.71	1.07		.18	.18					.15	.38	.16	.81	.15							.46	.88	.39	.13	T.		6.02
Belvidere	Delaware	.30	.85				1.60			.10	.09	.03	.58			T.	.07		.02	1.11	.34						.07		.56				5.72
Boonton[3]	Passaic		1.12					1.32		.03	.02	T.	.32			.04		.07	.68	.22	1.53		.05				T.	.14	.52	T.			6.06
Bridgeton	Delaware	.11	.28				.65	.27		.10	.18		.20			.04	.31	.70	.38	.46			.02				.87	.02	.12				4.71
Burlington	do	.01	.57				1.50	.47		.14	.07		.10		T.	T.	.02	.32	.66	.70							.94	.10	.50		.04		6.14
Camden[2]	do	.81	.04				2.01			.09	.09	.11	.02		.02	T.	.23	.38	.23	.91			.03				1.53	T.	.01		.10		6.61
Canoe Brook[3]	Passaic		1.10					1.20		.07	.07		.37					.09	.60	.18	.91		.04					.28	.26				5.17
Charlotteburg	Passaic		1.18				.77	.54		.03	.05		.42						1.04	1.25	.08		.06				.11	.03	.33				5.89
Chatham[3]	do		1.05					1.24		.08	.11		.32	.06		.02	.09	.02	.62	.23	1.07		.12					.31	.30	.02			5.66
Clayton	Delaware		.41				.64	.75		.16	.18		.21				.15	.55	.52	.48							1.10	.30	.05				5.50
Culvers Lake	do		1.24				1.00			T.			.43			.02			.42	.85			.10				.11		.67				4.84
Dover	Passaic		1.13	T.			1.25			.02	.12		.40		T.	.05	*	.70	.18	1.42			.05				.15		.65		.11		6.23
Elizabeth	Coast		.73				1.05	.35		.07	.09	T.	.35					.07	.60	.32	T.		.03				.08	.01	.42	T.			4.17
Flemington	Raritan	T.	.76	T.			1.14	.56		.05	.11		.25			.03		.21	.69	1.10			.08				.09	.03	.31	.02	.07		5.50
Freehold	do	T.	.54				1.22	.35		.08	.10		.09					.25	.55	.32			.04				.63	.04	.18	.02	.02		4.43
Hammonton	Mullica	T.	.34				.69	.28		.10	.23		.18			T.	T.	.62	.69	.11							.94	.37	.06	.08			4.69
Hightstown	Raritan	T.	.47		T.		1.26	.37		.09	.09		.09		T.	T.	.01	.26	.61	.38			.05				.44	.04	.14	T.	.04		4.34
Indian Mills	Mullica	T.	.44		T.		.75	.45		.14	.14		.27		T.	T.	.04	.38	.60	.53			.02				1.09	.05	.08		T.		4.98
Jersey City	Coast	T.	1.21	T.			1.28	.07		.06	.12	T.	.27	.01				.08	.40	.44			.08				T.	.02	.10	T.	.05		4.19
Lakewood	Metedeconk		.55				1.05	.48		.15	.10		.12		T.	T.	.04	.28	.64	.25			.05				1.32	.08	.12	.13	.07		5.43
Lambertville(nr.)	Delaware	.06	.75				1 18	.54		.09	.10		.40			T.	.02	.21	.70	1.02			.04				.10	.03	.19		T.		5.43
Layton(near)	do	.11	1.02				.77	T.		T.	.02	.10	.37			.08		.10	.31	.64			.19				.08	T.	.49		.09		4.37
Little Falls[3]	Passaic		1.09					1.11		.05	.05	.05	.31			.02		.05	.52	.18	1.08		.08				.01	.18	.33				5.11
Long Branch[2]‡	Coast	.38	.20				1.62			.06	.10	.11	T.			.01	.11	.09	.56	.27			.02				.61		.09		.07		4.30
Long Valley	Raritan																																
Moorestown[3]	Delaware		.57			T.	1.77			.10	.09		.10			T.		.38	.54	.02	.65		.06				.14	1.52	T.	.10			6.04
Newark[1]	Coast	.52	.23				1.41			.07	.08	.31	.01		T.	T.	.03	.16	.48	.26			.03				.02	T.	.18		.21		4.00
New Brunswick	Raritan		.61	T.			1.27	.42		.03	.13	T.	.17			T.		.16	.52	.38	T.		.02				.07	.02	.03	.01	.05		3.89
New Milford[2]‡	Hackensack	.42	.80				1.12			.08	.02	.23			.03		.02	.14	.58	.29			.10				.15		.35				4.33
Newton	Delaware	T.	.85	T.		1.05		.13		.02	.04	.04	.54	T.		.05		.15	.87	.74			.16				.16		.20		.03		5.03
Northfield	Coast																																
N. Merchantville	Delaware	.01	.86				1.47	.60		.12	.09		.14	T.	T.	T.	.04	.37	.55	1.05			.05				1.15	.03	.08	T.			6.61
Paterson	Passaic	.21	1.06				1.00	.04	T.	.15	.08	T.	.33			.03		T.	.61	1.26							.26	T.	.28		T.		5.31
Pemberton	Delaware	T.	.37				1.19	.45		.12	.08		.16		T.	T.	.03	.30	.49	.61				.04			1.82	.08	.14	.01	T.		5.89
Phillipsburg	do	.36	.52				1.47			T.	.10	.39	.10		T.	T.	.10	.92	.28	.27			.13				.12	T.	.15		.03		4.94
Plainfield	Raritan	.20	.56	T.	T.		1.41	.03		.07	.11	.17	.10		T.	.01	.01	.39	.48	.45			.06				.14	.01	.11		.06		4.37
Pleasantville[3]	Coast		.49					1.71		.15	.15		.12			T.	.06	.62	.57	.17	.10						.29	1.91	.16	.09	.01		6.60
Ridgefield[2]	Hackensack	.30	1.08				1.15			.07	.09	.21			T.	T.		.05	.53	.28			.05				.15		.29		.05		4.30
Runyon	Coast		.45				1.20	.51			.22							.33	.39	.29			.02				.21		.11				3.73
Sandy Hook[1]‡	Coast	.52	.26				1.32		T.	.04	.10	.11	.01			T.	.05	.10	.40	.11			.09				.24	T.	.01		.08		3.44
Somerville(near)	Raritan	.01	.94	T.	T.		1.28	.11		.09	.09		.06	T.		T.		.23	.79	1.28			.04				.12	.02	.53		.07		5.66
Sussex	Hudson																																
Trenton[1]‡	Delaware	.48	.11		T.		1.84			.10	.07	.14	T.		T.	T.	.19	.14	.54	.61			.06				.44	.01	.53		.05		5.31
Trenton No. 2[2]	Delaware	.58	.16		T.		1.81			.10	.07	.17	T.		T.	T	.23	.15	.49	.74			.08				.59	T.	.84		.12		6.13
Tuckerton	Coast	.04	.38				.68	.72		.09	.12		.11				.08	.36	.86								.38	.35	.22	.14			4.53
Woodcliff Lake[2]‡	Hackensack	.39	.83				1.17			.03	.03	.26			.02		.02	.13	.42	.51			.12				.11		.21				4.25
New York, N. Y[1]‡	Coast	.37	.62	T.			1.45		T.	.06	.08	.14	.01		T.	T.	.01	.17	.20	.47			.07				.04	T.	.07		.14		3.90
Phila., Pa[1]‡	Delaware	.49	.16				1.76			.09	.07	.07	.01		T.	T.	.20	.31	.53	1.10			.05				1.47	T.	.03		.06		6.40

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the uext following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.044	.096	.096	.048	.128	.032	.096	.022	.112	.032	.104	.064	.160	.064	.128	.122	.024	.036	.110	.144	.168	.196	.224	.160	224	.024	.068	.032	.080	.140		2.978
	Wind movement	53	45	56	38	19	26	20	24	25	10	34	73	19	53	11	24	18	25	1	40	38	39	45	30	32	13	25	13	9	19		877
Pleasantville[3]	Evaporation	.010	.128	.096	.144	.160	.164	.160	*	.044	.192	.200	.160	.240	.160	.156	*	*	*	.020	.096	.224	.272	.240	.256	.162	.022	.064	.042	.106	.094		3.612
	Wind movement	122	90	119	114	86	144	85	49	88	163	160	100	157	139	64	117	69	101	67	43	87	66	98	106	60	53	62	100	72	94		2875
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for April, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	50	53	51	44	50	55	52	43	50	55	58	57	54	52	63	49	47	56	66	62	57	67	64	60	79	66	56	49	49	68	....	55.4
	Minimum	41	44	39	34	30	43	39	36	34	44	50	32	30	39	49	41	40	45	48	46	47	51	48	51	56	48	48	44	43	42	....	42.7
Belleplain	Maximum	56	54	49	48	52	56	55	49	51	70	74	68	64	57	66	62	57	69	65	69	65	66	70	77	86	81	73	69	64	57	....	63.3
	Minimum	28	41	30	30	26	38	37	32	30	34	57	45	29	26	51	38	37	42	54	36	34	50	35	44	58	55	49	43	41	40	....	39.7
Belvidere	Maximum	44	44	41	40	50	45	44	46	45	52	65	60	50	46	58	51	44	50	56	55	60	58	68	78	85	75	80	65	58	58	....	55.7
	Minimum	30	30	30	25	28	37	29	28	30	34	32	30	26	30	41	33	36	36	42	35	34	47	37	44	44	62	44	43	41	40	....	35.6
Boonton§§	Maximum	57	44	44	40	54	49	48	44	45	52	70	51	49	52	55	54	48	50	65	58	65	61	68	72	86	53	65	47	60	60	....	55.2
	Minimum	29	39	27	32	30	33	32	26	30	31	35	39	28	29	41	29	38	37	39	41	36	44	33	45	48	49	49	44	41	44	....	36.6
Bridgeton	Maximum	58	55	49	46	54	56	51	47	51	70	80	65	53	62	63	62	43	65	61	64	67	61	72	79	88	80	70	62	57	55	....	61.5
	Minimum	33	40	34	31	28	38	37	34	31	35	55	35	29	30	48	39	37	42	50	39	38	50	40	46	55	53	50	42	42	40	....	40.0
Burlington	Maximum	59	50	48	45	54	56	56	47	49	65	77	74	53	58	61	57	46	51	64	60	69	65	72	81	86	81	70	70	57	56	....	61.2
	Minimum	34	41	34	33	30	39	35	33	31	39	46	41	30	32	45	41	38	40	48	41	37	49	38	47	55	50	50	43	43	45	....	40.3
Canoe Brook§§	Maximum	55	48	47	42	54	52	50	44	47	53	76	52	51	54	59	52	46	50	64	61	64	66	71	75	86	51	66	49	59	61	...	56.8
	Minimum	27	39	28	30	28	34	32	24	30	27	36	38	26	25	42	26	37	36	40	31	31	42	35	41	43	47	47	43	40	30	....	34.5
Charlotteburg	Maximum	54	47	41	39	51	51	46	45	44	49	70	63	47	52	52	54	50	48	52	66	62	60	62	72	86	83	65	65	60	60	....	56,4
	Minimum	21	34	26	28	27	29	28	31	28	25	32	39	23	31	40	20	35	33	45	41	30	43	30	40	49	41	47	49	37	36	....	33.9
Clayton	Maximum	59	55	49	46	53	55	56	48	49	68	76	73	53	58	61	56	44	57	65	62	69	64	70	80	85	80	69	67	55	55	....	61.2
	Minimum	32	40	30	31	29	38	36	32	30	35	57	41	28	30	48	39	36	40	52	39	36	49	39	46	54	51	49	42	41	40	....	39.7
Dover	Maximum	55	45	42	39	53	47	47	43	46	51	72	55	49	51	56	52	44	46	53	58	64	61	69	71	86	....	65	54	60	59	....	54.9[a]
	Minimum	29	36	31	29	27	35	30	27	30	31	37	28	25	33	40	29	36	38	46	38	33	46	39	45	50	48	48	40	40	37	....	36.0
Elizabeth	Maximum	56	52	49	46	59	57	59	49	51	55	77	68	55	61	64	54	47	50	58	65	67	66	73	70	89	80	64	68	58	65	....	61.1
	Minimum	30	40	30	30	27	35	34	28	33	33	41	49	28	28	44	36	39	39	48	35	34	45	40	48	47	48	49	42	42	38	....	38.0
Flemington	Maximum	57	53	46	45	58	50	53	47	50	58	75	65	57	56	62	54	50	50	55	64	70	65	73	79	86	77	69	68	60	60	....	60.4
	Minimum	32	39	32	30	29	35	32	29	29	35	37	37	28	30	42	34	38	38	48	37	35	48	40	45	54	50	49	42	42	41	....	37.9
Freehold	Maximum	56	46	44	42	53	56	56	45	47	59	76	69	51	56	61	52	45	60	59	60	65	63	71	71	85	77	63	54	54	58	....	58.5
	Minimum	32	40	33	30	27	36	34	31	32	40	42	35	27	33	45	37	37	39	47	39	40	48	42	47	55	47	48	42	41	39	....	38.8
Hammonton	Maximum	59	52	51	46	55	56	56	47	50	70	78	75	54	61	62	61	44	68	68	62	69	66	71	80	86	84	68	68	54	56	....	62.6
	Minimum	30	41	31	27	26	38	35	31	29	32	53	40	28	30	48	41	36	40	52	37	34	47	37	44	48	50	48	41	41	37	....	38.4
Hightstown	Maximum	58	48	44	43	53	56	56	45	47	59	75	68	52	56	61	51	44	52	60	59	67	62	70	76	83	78	68	62	54	56	....	58.8
	Minimum	33	40	32	29	28	38	34	30	31	38	40	36	27	33	43	35	37	39	46	37	36	47	39	45	54	47	48	41	41	37	....	38.0
Indian Mills	Maximum	57	51	48	45	54	56	57	45	49	69	78	66	53	58	62	52	44	63	63	61	67	65	72	80	87	75	70	58	53	56	....	60.5
	Minimum	30	42	30	30	28	39	36	30	29	35	54	36	28	28	47	40	38	41	51	37	34	48	38	45	56	50	49	42	42	38	....	39.0
Jersey City	Maximum	52	49	46	43	54	53	53	46	47	50	76	72	51	55	59	55	47	51	57	62	62	64	72	70	87	83	61	55	56	62	....	58.3
	Minimum	40	42	37	34	32	41	35	35	33	41	41	41	29	38	48	38	42	40	48	45	47	61	48	55	57	48	48	43	43	45	....	42.2
Lakewood	Maximum	55	51	49	48	57	56	57	46	50	62	80	68	55	60	66	55	44	62	62	63	65	69	73	70	88	82	59	54	54	59	....	60.6
	Minimum	32	42	33	31	27	35	37	32	33	35	44	40	29	33	47	42	39	40	50	37	33	49	40	44	57	48	47	43	42	37	....	39.3
Lambertville (near)	Maximum	57	55	44	40	53	55	56	54	46	57	73	50	51	55	59	53	51	50	55	58	66	60	69	74	83	76	70	64	58	56	...	58.3
	Minimum	36	33	33	29	28	45	35	28	29	42	40	33	25	25	42	36	36	39	47	40	39	48	40	49	68	48	48	41	39	41	....	38.4
Layton (near)	Maximum	55	45	43	40	53	45	45	46	45	52	69	51	49	53	62	56	45	48	54	55	67	60	72	76	87	75	74	62	63	60	.. .	56.6
	Minimum	28	35	24	29	27	28	29	20	26	23	38	29	23	23	41	20	36	35	45	32	28	45	30	40	42	52	50	41	39	32	...	33.0
Little Falls§§	Maximum	55	46	44	42	55	49	50	43	48	55	75	52	52	65	58	54	46	50	57	60	62	65	71	77	87	63	64	56	64	61	....	56.9
	Minimum	31	38	28	31	28	36	32	28	31	31	37	38	27	31	44	30	58	37	40	37	36	46	42	47	46	48	48	43	41	38	....	36.9
Long Branch	Maximum	51	48	48	43	52	56	49	45	47	51	76	52	52	58	63	48	43	53	56	61	57	65	71	61	86	56	55	46	54	62	....	55.5
	Minimum	34	39	36	32	28	41	36	35	33	40	49	29	27	36	46	40	39	41	47	42	40	49	45	50	54	47	47	42	43	39	....	40.2
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Moorestown	Maximum	58	49	46	44	53	58	49	45	50	67	77	52	58	56	61	56	45	50	64	59	68	63	71	79	85	65	69	52	58	57	....	58.8
	Minimum	34	41	35	33	29	38	35	32	32	38	42	35	29	33	41	42	38	40	44	40	37	50	41	45	50	49	50	41	41	40	....	39.2
Newark	Maximum	53	47	45	42	55	55	50	44	47	50	75	52	51	55	59	52	46	49	58	60	62	63	71	62	87	55	60	48	58	62	....	55.8
	Minimum	36	38	35	33	32	40	35	33	34	39	40	30	28	34	45	37	39	39	47	42	41	48	44	49	52	48	48	42	43	43	....	39.8
New Brunswick	Maximum	56	50	44	42	51	54	55	45	45	53	74	68	51	55	60	55	45	50	60	59	66	61	70	73	84	80	63	58	55	58	....	58.0
	Minimum	32	40	32	31	28	38	34	30	30	37	37	38	27	32	43	35	37	39	41	39	36	46	39	48	54	48	48	41	41	38	....	38 0
Newton	Maximum	55	44	40	37	51	50	44	45	44	53	68	51	47	53	52	54	47	45	55	56	65	57	70	74	84	75	68	60	60	58	....	55.4
	Minimum	31	32	27	27	24	28	27	25	28	30	34	29	22	31	38	28	34	33	43	38	34	45	40	44	56	49	48	39	38	38	....	34.7
N. Merchantville	Maximum	60	52	46	46	57	56	55	45	51	71	80	73	54	59	62	56	45	52	65	62	70	65	74	82	89	76	72	68	61	58	....	62.1
	Minimum	37	42	38	35	32	41	36	33	34	39	60	40	29	35	46	42	38	40	49	43	40	52	42	49	57	50	50	43	42	45	....	41.6
Paterson	Maximum	56	47	45	44	55	51	50	43	47	49	76	60	52	55	57	55	47	49	55	61	65	65	72	68	89	78	63	55	62	62	....	57.8
	Minimum	36	39	32	32	29	39	34	30	32	35	41	34	28	34	44	34	39	38	48	41	41	49	42	48	49	49	49	42	42	43	....	39.1
Pemberton	Maximum	59	51	47	45	55	56	56	45	49	67	76	72	55	57	61	52	45	58	62	61	68	65	70	79	85	78	68	68	52	55	....	60.6
	Minimum	39	41	32	33	28	39	35	33	30	38	52	40	28	31	46	40	38	40	51	38	36	50	37	47	57	49	49	42	42	38	....	40.0
Phillipsburg	Maximum	56	46	45	44	55	49	49	46	48	55	72	51	54	54	58	53	44	51	55	59	69	60	71	79	84	67	72	57	63	59	....	57.5
	Minimum	32	37	33	32	30	38	34	30	31	37	37	30	28	33	43	33	39	39	48	36	35	48	49	45	50	52	51	43	43	40	....	38.5
Plainfield	Maximum	59	50	47	46	57	54	52	45	50	57	76	58	55	56	64	53	45	50	60	61	68	64	71	74	87	72	61	50	58	62	....	58.7
	Minimum	30	38	32	31	30	38	35	29	33	36	38	30	28	30	42	36	38	38	47	37	36	46	39	48	51	48	47	43	41	40	....	37.8
Pleasantville§§	Maximum	53	53	50	45	54	55	51	40	50	60	61	57	53	58	63	47	48	62	57	63	62	58	71	71	86	54	57	56	54	55	....	56.8
	Minimum	32	42	35	30	26	39	38	35	32	35	46	43	28	33	49	44	40	43	43	40	37	51	38	47	56	52	48	45	42	40	....	40.3
Ridgefield	Maximum	55	47	43	43	54	55	48	42	46	45	76	53	51	55	58	54	46	49	67	61	63	65	72	64	88	51	60	47	59	61	....	55.6
	Minimum	37	36	32	32	30	40	34	32	32	36	39	29	28	34	46	35	40	38	38	41	40	48	42	48	50	47	48	43	42	40	....	38.5
Runyon	Maximum	56	48	47	48	54	50	56	44	44	54	76	64	48	62	54	52	46	41	61	64	66	63	64	66	85	70	56	62	63	48	....	57.1
	Minimum	36	36	28	30	25	36	35	25	27	34	35	29	26	28	40	34	37	37	39	41	28	43	41	42	58	48	46	42	41	40	....	36.2
Sandy Hook	Maximum	50	47	45	42	53	53	47	42	46	50	69	51	50	54	58	48	43	47	65	57	57	60	67	62	83	52	53	46	63	58	....	53.3
	Minimum	39	41	39	33	33	41	36	36	35	41	42	32	31	39	44	40	40	40	45	44	43	48	46	48	52	48	46	43	44	45	....	41.1
Somerville (near)	Maximum	55	48	44	43	54	53	51	44	46	56	74	54	51	54	51	53	46	48	57	60	68	61	70	74	85	73	69	53	55	58	....	56.9
	Minimum	31	37	32	29	27	37	31	27	31	34	36	29	26	30	38	30	37	37	46	38	37	47	40	46	56	46	48	40	40	38	....	36.7
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Trenton	Maximum	56	48	43	43	53	56	48	44	47	62	75	50	52	57	60	51	44	51	62	59	67	62	71	78	85	70	70	50	55	66	....	57.5
	Minimum	38	39	37	33	32	39	34	33	33	40	44	30	28	35	46	38	38	40	48	42	41	49	45	50	57	48	49	42	43	43	....	40.5
Trenton No. 2	Maximum	57	50	45	44	54	56	52	45	48	64	76	52	53	58	61	54	44	50	61	61	67	64	72	78	85	71	71	54	56	57	....	58.7
	Minimum	36	38	35	32	30	40	34	32	33	40	41	30	28	35	45	37	38	39	47	40	37	47	42	48	56	49	50	42	41	42	....	39.5
Tuckerton	Maximum	55	56	50	45	52	55	52	45	48	62	66	65	54	60	62	46	55	60	60	62	62	63	72	70	86	78	58	52	50	52	....	68.4
	Minimum	33	43	35	32	29	40	35	33	33	35	47	40	28	33	36	38	37	40	50	40	38	50	50	47	60	50	48	42	44	39	.. .	40.2
New York, N. Y.	Maximum	52	47	44	40	55	54	49	42	46	52	71	51	49	53	56	54	47	65	66	59	58	61	68	67	83	65	61	48	58	60	....	55.0
	Minimum	38	39	36	32	32	40	33	36	31	40	44	29	27	36	44	39	40	40	46	45	49	49	46	52	51	48	46	44	45	45	....	40.7
Philadelphia, Pa.	Maximum	56	50	45	45	55	57	48	45	48	67	76	52	54	55	61	49	44	62	62	60	67	61	71	78	85	72	69	53	67	56	....	68.3
	Minimum	40	42	39	35	34	41	36	36	32	40	48	31	29	38	47	39	38	42	50	46	45	52	48	54	58	51	51	43	43	43	....	42.4

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. MAY, 1939. No. 5.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

May, 1939, was the warmest May since 1918. Unusually warm weather was experienced from the 6th to the 11th and again during the last week of the month. The 31st was the hottest day in most localities with readings in the nineties at all stations, the highest being 99° at Flemington and Phillipsburg, which is within 3° of the all-time record for May in New Jersey. Notwithstanding the heat waves, very cool weather prevailed about the middle of the month with light to heavy frost quite general and killing frosts at some places on the 16th, especially in the southern interior where considerable damage to strawberries and beans resulted.

Although preceded by a wet month, this was the driest May since 1911. Only 40 percent of normal May precipitation was received. Due to warm weather, the soil dried rapidly, allowing farm work to be brought up to date. By the close of the month, however, rain was beginning to be badly needed in most localities. A few stations received normal amounts for the month. An excessive fall of 4.40 inches occurred at Indian Mills on the 22d and 23d. Crops generally remained in fair condition, though the strawberry crop was almost a failure due to the combined effects of dry weather and frost damage.

No storm damage of consequence was reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 63.3°, which was 2.9° above normal. The highest temperature was 99° at Flemington and Phillipsburg on the 31st, and the lowest, 25°, at Charlotteburg on the 16th. The greatest daily range of temperature was 49° at Elizabeth and Layton (near) on the 19th. The highest monthly mean temperature was 66.6° at North Merchantville, and the lowest, 60.0° at Canoe Brook.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 43 stations, was 1.43 inches, which was 2.30 inches below normal. The greatest monthly precipitation was 4.68 inches, at Indian Mills, and the least, 0.21 inches at Long Branch. The greatest amount of precipitation in any 24 consecutive hours was 4.40 inches at Indian Mills on the 22-23d.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +2.61 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 9, 23, 27. HAIL: 20, 23.
THUNDERSTORMS: 9, 10, 20, 21, 22, 23, 24.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.99	30.29	26	29.48	9	16.1	50	n.	3	75	66	74	73
Long Branch	29.96	30.30	13	29.44	9	11.3	35	ne.	3	70	45	56	73
Ridgefield	29.95	30.29	13	29.45	9	....	....	....	....	....	....	....	....
Sandy Hook	29.96	30.30	13	29.45	9	12.0	49	ne.	4	74	56	65	75
Trenton	29.96	30.28	13	29.43	9	8.4	25	n.	3	69	47	55	74

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	......	......	......	......
1886	58.8	87	36	6.07	0	......	......	......	......
1887	63.3	94	35	1.37	0	6	......	......	......
1888	58.6	90	26	4.92	0	16	......	......	......
1889	62.3	94	32	4.09	0	12	......	......	......
1890	60.7	87	33	4.24	0	12	......	......	......
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	**21**	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
1938	59.2	89	26	3.52	0	12	10	9	12
1939	63.3	99	25	1.43	0	6	16	8	7
Period	60.4	102	21	3.73	0	11	13	9	9

Climatological Data for May, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	60.8	+2.7	90	31	40	1	27	0.89	−2.16	0.65	0	4	11	10	10	s.	U. S. Weather Bureau
Belleplain	Cape May	49	45	64.4	+3.8	94	31	30	15	37	0.61	−2.91	0.45	0	3	21	7	3	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	63.8	+3.4	96	31	33	2	44	1.54	−2.00	0.68	0	7	20	3	8	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	60.8	+2.5	93	31	30	14	42	1.44	−2.26	0.50	0	7	19	3	9	ne.	John Kline.
Bridgeton	Cumberland	30	56	65.2	+1.7	94	28†	34	15	38	0.57	−2.70	0.23	0	4	21	9	1	sw.	Bennett K. Matlack
Burlington	Burlington	12	§53	65.2	+2.3	94	31	37	15†	37	1.58	−1.93	0.53	0	8	16	4	11	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	2.56	....	1.20	0	5	18	4	9	sw.	Central Airport, Inc.
Canoe Brook	Essex	180	8	60.0	......	93	31	26	2	46	1.24	....	0.42	......	7	22	2	7	sw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	60.8	+3.6	93	31	25	16	48	1.85	−2.03	0.74	0	6	12	10	9	s.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	1.34	−1.58	0.43	0	7	24	4	3	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	64.2	+2.7	95	31	32	15	38	0.40	−2.64	0.16	0	3	17	0	14	s.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	2.71	−1.12	1.00	0	5	15	12	4	......	L. S. Depue.
Dover	Morris	600	55	61.8	+3.4	92	31	31	15	40	1.81	−1.82	1.00	0	7	7	17	7	......	William C. Harris
Elizabeth	Union	34	60	64.7	+3.0	98	31	32	14	49	1.01	−2.53	0.35	0	5	16	10	5	ne.	Union County Park Comm
Flemington	Hunterdon	140	§53	65.2	+4.2	99	31	34	17	44	3.01	−0.51	2.23	0	7	23	4	4	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	63.4	......	95	31	32	17	41	0.28	−3.50	0.06	0	10	24	5	2	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	64.8	......	95	31	29	15	43	1.81	−1.80	1.42	0	3	17	8	6	sw.	J. G. Wilson.
Hightstown	Mercer	110	46	62.6	+1.6	92	31	32	15	40	0.65	−2.96	0.15	0	11	16	10	5	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	64.3	+2.6	95	31	31	15	43	4.68	+1.34	4.40	0	7	14	14	3	w.	Edward Entwistle.
Jersey City	Hudson	81	41	65.6	+4.3	95	31	41	14†	28	1.11	−2.34	0.30	0	8	10	16	5	w.	Jersey Journal.
Lakewood	Ocean	54	35	63.8	+3.8	95	31	32	15	44	1.85	−1.93	0.42	0	9	13	8	10	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	64.6	+3.6	92	31	35	15†	35	2.23	−1.43	1.06	0	6	23	3	5	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	60.7	+3.2	95	31	26	2†	49	1.32	−1.82	0.95	0	3	11	5	15	w.	A. M. Depue.
Little Falls	Passaic	157	§36	63.0	+3.2	95	31	32	14	45	1.43	−2.51	0.50	0	7	12	14	5	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	62.0	+4.0	92	28†	36	15	39	0.21	−3.61	0.06	0	5	9	14	8	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	R. H. Johnson.
Moorestown	Burlington	62	76	63.9	+2.7	93	31	35	17	37	1.68	−1.84	0.66	0	8	15	9	7	n.	Japanese Beetle Laboratory
Newark	Essex	10	40	63.9	+2.8	95	31	36	14	34	0.78	−3.09	0.32	0	5	8	13	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	63.0	+2.6	95	31	34	2†	39	0.80	−2.86	0.44	0	5	13	12	6	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	1.17	−2.34	0.41	0	5	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	62.2	+2.8	97	31	32	16	42	1.86	−1.75	0.76	0	5	12	13	6	sw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	66.6	......	96	31	39	15	38	2.32	....	0.83	0	8	15	10	6	sw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	....	......	......	....	......	....	......	......	....	....	....	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	64.2	......	95	31	33	15	40	1.02	....	0.36	0	5	21	5	5	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	64.8	+3.8	99	31	35	16	41	0.94	−2.37	0.39	0	5	20	7	4	......	Town Engineer.
Plainfield	Union	120	51	63.8	+4.0	95	31	34	14	42	1.31	−2.42	0.63	0	8	10	16	5	w.	S. K .Pearson.
Pleasantville‡‡	Atlantic	8	§41	61.1	+2.2	95	31	34	15	32	0.96	−2.22	0.48	......	6	25	3	3	sw.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	63.2	+4.1	94	31	36	14	35	0.87	−2.60	0.23	0	5	9	17	5	se.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	62.2	+2.8	97	31	27	2	45	0.53	−3.37	0.24	......	5	22	7	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	62.0	+3.6	91	31	44	14	29	1.34	−2.38	1.02	0	7	13	7	11	sw.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	56	62.8	+2.3	93	31	34	14†	42	2.25	−1.29	0.82	......	4	8	7	16	sw.	Richard H. Rogers.
Sussex	Sussex	450	44	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	...	Thomas R. Trudgen.
Trenton	Mercer	56	67	64.4	+3.3	93	31	39	13	35	1.18	−1.90	0.36	0	8	9	12	10	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	64.6	......	95	31	35	15	40	1.49	....	0.41	0	9	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	62.2	+2.4	94	31	35	15	37	1.82	−1.62	1.30	0	5	19	4	8	nw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	0.83	−2.51	0.36	0	5	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	69	63.7	+3.1	92	31	41	14	27	0.56	−2.68	0.15	0	6	13	9	9	w.	U. S. Weather Bureau.
Philadelphia, Pa.	......	26	68	66.4	+3.5	94	31	42	1	31	1.91	−1.35	0.86	0	4	13	10	8	sw.	U. S. Weather Bureau.
For the State	......	......	....	63.3	+2.9	99	31	25	16	49	1.43	−2.30	4.40	0	6	16	8	7	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. ∫ Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-10-39-900

Daily Precipitation for May, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast		T.	.65						.01		T.		T.								.03	.20	T.									0.89
Belleplain	Tuckahoe			.45										.08	.08																		0.61
Belvidere	Delaware									.08	.68			.22							.03	.03	.37						.13				1.54
Boonton[3]	Passaic	.05								.01	.26				.08								.50	.37	.17								1.44
Bridgeton	Delaware	T.		T.										.22	.09								.03	.23									0.57
Burlington	....do									T.	.15	.02		.08	.02							.53	.44	.12	.22								1.58
Camden[2]	....do			T.						1.20	T.	T.		.07							T.	.26	1.02	T.					T.	.01			2.56
Canoe Brook[3]	Passaic	.22								.01	.40				.13								.42	.01	.05								1.24
Charlotteburg	Passaic										.74				.07								.70	.08	.03					.23			1.85
Chatham[3]	...do	.25								.02	.43				.15								.37	.04	.08								1.34
Clayton	Delaware											.08												.16					.16				0.40
Culvers Lake	....do									.50	.58			T.									1.00	.25					.38				2.71
Dover	Passaic									.50				.13								.07	1.00	.01					.01			.09	1.81
Elizabeth	Coast	.27								T.	.21			.15	T.						T.	.03	.35										1.01
Flemington	Raritan	.02								.52		T.		.18	.02						T.	2.23	.03	.01					T.				3.01
Freehold	.do									.01	.02	.03		.03	.01						.06	.03	.04	.01					.04				0.28
Hammonton	Mullica			T.							T.	T.	T.	T.								.24		1.42						.15	T.		1.81
Hightstown	Raritan	.01		T.	T.					.01	.03	.02		.11	.01						.15	.04	.12	.03	T.				.12				0.65
Indian Mills	Mullica	.03		T.	.01					.22	.01	T.		.01									4.00	.40					T.	T.			4.68
Jersey City	Coast	.27		T.	T.	T.				.30	.14	T.		.10	.06						T.	.06	.05	.13				T.	T.				1.11
Lakewood	Metedeconk	.08		.12						.02	.30	T.		.03	T.						T.	.12	.42	.06							.70		1.85
Lambertville (nr.)	Delaware	.02								.03	.05										1.06		1.02		.05								2.23
Layton (near)	....do									.21													.95	.16									1.32
Little Falls[3]	Passaic	.01								.01	.50				.11								.26	.46	.08								1.43
Long Branch[2]‡	Coast			.06						.05		T.		.03							.03		T.	T.					.04				0.21
Long Valley	Raritan																																
Moorestown[3]	Delaware	.02								T.	.61				.08							.26	.01	.66	.02						.02		1.68
Newark[1]	Coast			T.						.26		T.		.10							T.	.29	.05	.08									0.78
New Brunswick	Raritan	.05								T.	T.	T.		.20	.02							T.	.44	T.	.09	T.							0.80
New Milford[2]‡	Hackensack									.41				.10								.30	.33	.03									1.17
Newton	Delaware									.50				.06	T.								.76						.40		.14		1.86
Northfield	Coast																																
N. Merchantville	Delaware	.08		T.	T.					.28	.31	T.		.08	.01							.35	.38	.83					T.	T.	T.		2.32
Paterson	Passaic																																
Pemberton	Delaware	.02									.36			.03	T.							.32		.29	T.						T.		1.02
Phillipsburg	....do	.05						T.		.39				.21							T.	T.	.15	.14									0.94
Plainfield	Raritan	T.	T.		.02					.63				.18							.01	.15	.16	.07	.09								1.31
Pleasantville[3]	Coast	.03			.48					.01	.01		T.										.20	.23						T.			0.96
Ridgefield[2]	Hackensack			T.		T.				.19		T.		.22							T.	T.	.23	.05	.18				T.			T.	0.87
Runyon	Coast										.06			.16	.04								.24		.03								0.53
Sandy Hook[1]‡	Coast			.01						.13		.01		.10							T.	.04	.03	1.02									1.34
Somerville (near)	Raritan										.82			.18							T.		.63		.62								2.25
Sussex	Hudson																																
Trenton[1]‡	Delaware	T.		.01						.36	T.	T.		.11							.22	.27	.05	.01					.15				1.18
Trenton No. 2[2]	Delaware			.03						.31		.01		.14							.23	.41	.08	.04					.24				1.49
Tuckerton	Coast			.49	.02						.01												.02	1.28									1.82
Woodcliff Lake[2]‡	Hackensack									.36				.08								.20	.16	.03									0.83
New York, N. Y[1]‡	Coast			T.		T.				.15		T.		.15							T.	.06	.04	.13								.03	0.56
Phila., Pa[1]‡	Delaware			T.						.83		T.		.08							T.	.14	.86						T.	T.			1.91

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.144	.128	.128	.176	.144	.208	.240	.138	.064	.224	.176	.224	.002	.144	.176	.160	.176	.192	.176	.128	.068	.042	.112	.160	176	.208	.128	.224	.256	.256	240	5.018
	Wind movement	9	12	18	15	19	22	17	23	23	18	22	16	4	8	25	7	20	9	22	6	10	4	14	11	7	14	30	13	19	18	8	463
Pleasantville[3]	Evaporation	.096	.160	.064	.160	.240	352	.320	.170	.042	.320	...	.320	.128	.128	.160	.144	.160	.176	.192	.320	.168	.150	.096	.176	.256	.176	.192	.320	288	.256	.320	6.252
	Wind movement	57	81	139	83	53	62	61	110	82	95	70	60	47	58	78	76	63	43	145	35	64	53	60	58	48	46	91	78	66	43	56	2161
Runyon	Evaporation	.120	.120	.120	.240	.240	.240	.260	.240	.180	.220	.240	.240	.100	.070	.260	240	.180	.180	.240	.240	.180	.120	.120	.190	.240	.240	.240	.250	.270	.270	.270	6.360
	Wind movement	38	37	70	62	48	53	34	38	59	42	37	59	24	24	53	49	26	40	37	63	24	30	26	34	39	28	35	84	63	48	35	1339

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for May, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	62	64	52	70	78	79	85	63	70	78	82	66	54	56	53	52	58	69	71	68	76	66	64	61	61	62	66	74	90	80	90	68.1
	Minimum	40	44	45	45	53	57	60	56	55	56	67	52	47	41	45	47	45	55	54	58	59	60	65	53	51	52	54	62	63	68	70	63.5
Belleplain	Maximum	60	59	66	68	77	84	88	81	82	80	82	78	71	65	59	57	71	78	86	83	86	84	80	75	75	81	88	91	90	90	94	77.4
	Minimum	37	35	44	42	44	50	57	62	60	61	57	49	39	36	30	46	38	50	49	61	61	61	61	55	42	49	51	69	67	63	65	51.3
Belvidere	Maximum	63	63	62	68	78	89	90	86	76	85	72	64	49	68	70	68	75	76	87	87	75	72	76	71	85	85	87	87	89	90	96	77.1
	Minimum	41	33	44	41	46	49	51	57	63	55	53	41	39	39	36	34	37	52	43	61	59	59	69	50	49	55	58	69	63	62	63	50.4
Boonton§§	Maximum	60	61	60	69	76	86	88	78	80	78	74	63	50	65	64	63	75	72	81	86	80	64	66	73	80	82	82	85	86	84	93	74.3
	Minimum	43	34	41	47	45	49	55	51	53	55	54	43	35	30	32	36	35	43	39	45	58	55	55	48	44	48	51	69	63	59	65	47.4
Bridgeton	Maximum	62	64	61	70	78	86	90	83	80	80	81	69	55	64	69	60	74	77	86	88	87	87	81	78	74	83	87	94	91	87	94	78.1
	Minimum	37	38	45	45	44	49	57	59	62	60	56	49	41	38	34	44	36	49	48	60	67	64	63	57	46	54	55	68	67	65	66	52.4
Burlington	Maximum	63	62	59	70	77	87	91	86	80	80	78	67	64	63	64	61	74	74	84	86	84	84	75	75	81	85	87	91	91	89	94	77.6
	Minimum	41	40	47	45	47	55	57	59	63	59	58	47	43	39	37	41	37	53	59	63	62	57	61	53	47	52	53	70	66	66	64	52.9
Canoe Brook§§	Maximum	62	61	59	71	78	86	89	74	80	78	76	65	51	64	62	61	74	72	83	88	78	69	69	70	81	82	80	88	89	86	93	74.8
	Minimum	37	26	40	40	37	45	49	50	55	54	49	41	31	29	29	33	34	49	37	50	66	54	54	48	40	49	49	62	62	53	57	45.1
Charlotteburg	Maximum	60	59	64	67	75	86	89	90	78	79	79	71	61	63	61	60	73	74	82	87	82	71	64	71	79	80	81	84	86	89	93	75.4
	Minimum	38	34	53	42	49	43	53	49	55	51	49	40	33	31	26	25	29	48	34	61	55	62	63	45	41	50	48	67	63	60	55	46.2
Clayton	Maximum	61	62	60	67	76	85	88	85	81	80	80	71	64	65	65	61	71	75	85	84	85	85	82	78	79	83	86	92	90	89	95	77.7
	Minimum	38	39	40	43	43	53	60	58	61	58	55	46	41	36	32	40	35	46	47	62	60	59	61	53	44	51	53	69	66	62	65	50.8
Dover	Maximum	62	63	58	69	77	87	89	78	77	78	73	63	55	61	66	59	73	70	80	85	79	63	66	70	79	79	80	84	85	85	92	73.7
	Minimum	40	34	43	42	50	50	67	52	60	53	55	43	36	35	31	35	35	53	40	63	59	54	55	49	46	55	53	69	66	59	67	50.0
Elizabeth	Maximum	67	65	58	75	89	91	94	75	83	83	79	75	69	69	65	63	78	79	91	92	83	70	67	72	86	85	82	94	94	93	98	79.5
	Minimum	40	35	46	46	42	51	55	53	62	55	54	44	45	32	35	40	35	50	42	60	60	56	55	49	45	52	53	67	65	61	62	49.9
Flemington	Maximum	65	65	60	74	82	91	95	85	82	87	33	69	60	68	62	63	78	77	87	87	87	80	71	75	85	85	88	93	92	91	99	79.5
	Minimum	43	35	45	43	48	50	57	54	62	56	54	43	37	36	36	35	34	52	44	63	62	66	60	53	47	54	55	69	67	62	67	50.9
Freehold	Maximum	63	62	54	69	77	87	90	83	80	80	78	70	60	63	60	58	73	72	85	87	80	72	66	70	81	83	87	92	90	90	95	76.0
	Minimum	41	36	47	46	49	54	63	52	62	56	57	43	40	36	35	41	32	51	46	63	61	52	52	50	44	51	51	70	66	62	62	50.7
Hammonton	Maximum	56	63	63	70	80	87	91	85	83	82	79	69	67	65	64	62	75	75	88	88	87	86	84	74	81	83	88	91	90	89	95	78.7
	Minimum	38	39	53	41	42	52	59	60	61	57	55	49	36	35	29	43	32	49	45	62	59	57	60	51	43	49	51	69	67	69	65	50.9
Hightstown	Maximum	62	63	56	70	76	85	88	84	80	77	76	66	61	63	60	58	73	73	84	86	78	72	68	69	81	84	87	90	88	87	92	75.4
	Minimum	41	34	45	42	45	52	57	53	63	55	55	43	37	35	32	40	34	51	44	61	60	53	56	49	44	51	52	69	66	62	64	49.8
Indian Mills	Maximum	61	64	55	71	79	87	92	85	81	80	81	67	58	65	63	62	75	74	88	89	88	87	76	74	82	84	87	92	90	89	95	78.1
	Minimum	40	36	46	41	45	54	60	60	62	59	53	45	40	34	31	40	32	49	46	64	58	56	59	52	44	49	52	69	66	61	64	50.5
Jersey City	Maximum	63	62	57	71	79	87	91	82	75	79	76	72	65	63	63	59	70	73	81	89	82	68	66	70	77	78	77	90	90	90	95	75.5
	Minimum	45	45	47	48	54	64	69	54	59	60	61	49	45	41	41	43	43	58	53	67	63	56	57	53	52	59	59	69	72	69	74	56.8
Lakewood	Maximum	64	62	56	73	80	89	93	82	84	80	81	69	65	63	59	66	74	72	89	90	78	71	64	69	78	82	87	93	92	88	95	76.7
	Minimum	41	34	46	43	46	54	59	54	62	57	57	47	42	37	32	41	33	52	45	65	61	55	55	50	42	49	51	68	68	63	65	50.8
Lambertville (near)	Maximum	60	62	58	68	77	85	89	83	79	80	76	76	72	69	70	68	76	82	83	85	79	68	72	70	79	80	85	87	86	85	92	76.8
	Minimum	40	44	44	43	51	57	57	59	54	58	52	50	44	36	35	35	42	54	58	59	62	54	56	50	47	53	59	68	63	68	68	52.3
Layton (near)	Maximum	60	60	60	69	76	86	90	81	76	81	73	65	55	65	65	65	74	70	82	85	81	71	74	73	80	81	82	86	87	87	95	75.3
	Minimum	38	26	38	41	38	42	48	52	63	45	51	39	29	35	28	26	33	46	33	58	57	60	57	48	50	64	53	70	60	53	58	46.1
Little Falls§§	Maximum	63	63	60	72	80	90	92	75	80	80	75	67	64	66	60	63	76	75	85	88	79	63	67	77	84	80	84	89	90	88	95	76.5
	Minimum	42	33	46	46	45	51	54	51	56	55	52	44	38	32	33	36	36	52	40	60	59	53	55	47	45	54	52	67	66	60	70	49.4
Long Branch	Maximum	63	56	51	71	78	87	90	72	73	79	80	66	53	60	55	54	61	67	87	85	69	60	68	64	70	75	71	92	90	88	92	71.5
	Minimum	44	38	46	48	51	59	67	52	55	60	60	49	40	39	36	44	38	50	48	63	57	64	52	50	45	52	55	69	69	63	70	52.4
Long Valley	Maximum	....	....	....	....	....	....	....	....	....	78	80	76	65	63	63	64	74	72	84	85	82	76	70	75	80	84	85	86	87	86	94	......
	Minimum	....	....	....	....	....	....	....	....	....	....	48	38	39	41	32	32	32	48	39	60	58	57	57	50	46	52	52	67	64	58	64	......
Moorestown	Maximum	62	63	57	70	77	87	88	83	79	77	77	65	55	63	62	60	71	70	84	84	84	84	73	72	79	82	87	90	88	88	93	75.9
	Minimum	39	38	46	44	48	50	57	61	63	59	68	47	39	39	36	41	35	52	47	63	62	56	60	61	47	53	54	68	67	64	65	51.9
Newark	Maximum	62	62	57	71	79	88	91	71	80	80	76	65	53	67	61	59	73	75	85	88	77	69	65	68	80	81	74	91	91	88	95	74.6
	Minimum	44	41	48	50	49	59	63	51	60	59	56	48	42	36	40	43	40	54	51	66	60	66	53	51	48	57	56	69	68	66	67	53.2
New Brunswick	Maximum	62	63	59	69	76	86	90	87	80	79	78	67	63	62	60	58	73	72	84	86	80	67	62	69	79	82	86	90	90	88	95	75.5
	Minimum	42	34	41	46	46	53	60	53	62	52	55	44	41	34	36	39	36	52	45	62	61	54	66	49	45	53	53	69	62	63	66	50.6
Newton	Maximum	59	60	56	67	75	85	88	83	77	75	77	65	50	63	63	65	74	70	83	84	81	69	71	75	79	82	82	86	84	86	97	74.5
	Minimum	38	34	40	41	48	54	60	67	69	58	54	40	35	35	35	32	35	52	41	63	65	56	56	47	47	54	54	69	66	56	66	49.9
N. Merchantville	Maximum	64	66	58	72	81	89	93	85	82	82	78	69	65	67	66	62	75	72	87	87	88	86	78	77	82	87	91	93	91	90	96	79.3
	Minimum	41	43	43	46	50	54	61	62	63	59	59	48	43	40	39	42	40	56	49	64	64	57	61	55	50	55	56	71	68	68	67	54.0
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	62	64	61	71	79	85	90	90	82	78	77	68	68	65	63	61	74	73	86	87	85	84	74	74	83	85	88	90	91	89	95	78.1
	Minimum	39	39	46	43	44	50	57	60	53	58	57	46	41	36	33	41	34	50	47	53	61	55	61	51	44	50	52	69	67	56	63	50.2
Phillipsburg	Maximum	64	64	60	73	79	88	92	82	90	81	73	68	54	66	64	65	78	75	88	85	85	70	75	77	83	85	87	90	92	92	99	78.2
	Minimum	43	36	46	44	44	49	55	59	62	56	61	43	40	40	37	35	38	54	47	58	61	58	60	51	50	55	59	68	70	63	64	51.5
Plainfield	Maximum	64	65	60	72	80	88	93	81	81	81	76	70	55	65	63	61	75	74	86	89	81	70	64	71	82	82	84	90	92	89	95	76.7
	Minimum	42	38	47	46	47	51	58	52	62	58	53	45	42	34	36	38	36	52	44	62	61	55	57	50	45	53	53	67	66	63	64	50.9
Pleasantville§§	Maximum	61	55	61	68	77	84	85	68	68	79	82	66	56	58	56	56	62	73	80	78	79	73	65	64	64	67	71	88	91	89	95	71.3
	Minimum	38	37	47	43	45	54	60	53	56	57	57	49	40	37	34	47	39	41	52	58	57	59	59	54	44	52	55	58	67	65	65	50.9
Ridgefield	Maximum	62	63	56	71	78	89	91	73	77	80	73	65	50	54	63	61	73	73	82	89	75	64	64	70	80	76	87	89	88	86	94	74.1
	Minimum	41	39	47	47	51	58	68	61	60	56	57	47	42	36	38	40	39	66	47	65	59	54	55	49	48	56	57	69	70	64	66	52.3
Runyon	Maximum	64	63	66	76	78	88	91	76	82	83	83	76	62	62	64	60	70	75	76	86	82	76	66	74	84	85	88	92	92	89	97	77.1
	Minimum	28	27	43	38	37	54	69	53	62	59	46	41	32	34	28	38	30	41	39	60	66	57	56	44	39	41	61	71	71	64	59	47.2
Sandy Hook	Maximum	62	59	52	67	72	81	87	69	72	75	74	65	54	61	54	53	65	68	80	84	67	60	58	63	69	75	71	85	86	84	91	69.8
	Minimum	45	46	49	49	53	57	58	52	57	58	58	51	44	44	47	47	46	54	51	62	64	54	53	53	52	57	67	70	69	61	70	54.1
Somerville (near)	Maximum	63	63	58	70	76	87	90	81	80	78	74	65	52	64	62	62	74	73	84	87	83	72	66	71	80	82	85	88	89	86	93	75.4
	Minimum	41	35	41	42	49	55	63	52	61	53	54	41	37	34	35	34	36	53	42	62	60	65	64	49	47	55	53	69	65	61	65	50.1
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Trenton	Maximum	62	63	57	70	77	86	90	83	78	78	75	65	62	62	59	58	73	71	83	85	80	77	71	71	80	83	86	90	89	87	93	75.3
	Minimum	43	43	47	46	51	55	61	55	63	58	58	48	39	39	40	42	41	54	48	63	59	55	57	52	51	56	55	70	69	68	68	53.4
Trenton No. 2	Maximum	63	64	57	70	78	87	91	86	80	79	77	67	55	66	64	62	74	73	85	88	83	78	74	74	82	85	89	92	89	88	95	77.3
	Minimum	42	40	45	44	48	53	60	55	62	67	57	46	38	38	35	38	38	53	45	62	62	55	57	52	48	55	55	69	67	65	66	51.8
Tuckerton	Maximum	62	62	63	72	78	87	87	75	72	78	80	70	57	58	57	58	59	72	83	80	78	76	70	60	65	70	75	87	90	90	94	72.7
	Minimum	38	36	44	44	49	50	60	57	58	60	60	47	40	36	35	46	38	48	57	58	58	57	60	50	45	51	60	65	65	65	68	51.8
New York, N. Y.	Maximum	60	61	57	69	76	84	88	69	74	76	73	64	53	62	62	60	71	72	79	86	75	67	63	68	76	77	74	87	87	85	92	72.5
	Minimum	44	45	49	48	54	64	68	53	58	58	57	47	42	41	47	45	44	55	52	64	60	56	52	52	51	60	58	70	69	68	71	54.9
Philadelphia, Pa.	Maximum	62	64	59	72	78	86	90	82	80	77	75	67	65	64	62	60	72	70	84	84	84	82	75	74	78	82	87	89	89	88	94	76.3
	Minimum	42	48	49	47	56	59	65	66	63	62	60	51	43	42	45	45	45	65	53	64	66	59	61	54	53	58	59	72	70	72	71	56.6

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. JUNE, 1939. No. 6.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

June this year was warmer than normal, as all months have been since September, 1938 excepting April. Unusually warm weather prevailed from the 8th to 11th. The hottest day, however, at most stations was the 17th, when readings between 95° and 100° were registered in most localities. These days except the 10th, were rendered oppressive by high humidity, the 17th being remarkably so. There was no unusually cool period, though quite low temperatures were recorded at some stations about the 7th.

While rainfall averaged near normal, it varied greatly at different stations, ranging from 1.39 inches at Pleasantville to 6.56 inches at Trenton. Showers were quite well-distributed through the month though the best rains occurred generally about the 13-14th and at the close of the month. Heavy rains fell at numerous stations on the 29-30th, the greatest falls being 4.19 inches at Trenton and 3.12 inches at Plainfield. Some damage by flooding of streets and basements was caused by these storms. There was little damage by wind but considerable damage from lightning occurred during the month. Crops remained generally in good condition at the close of the month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 70.8°, which was 2.0° above normal. The highest temperature was 99° at N. Merchantville on the 17th, and the lowest, 35°, at Layton (near) and Runyon on the 7th. The greatest daily range of temperature was 49° at Charlotteburg on the 7th. The highest monthly mean temperature was 73.8° at Bridgeton, and the lowest, 67.6° at Layton (near).

The temperature departure from the normal for the year, 1939, to date, for the State is +1.8°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 43 stations, was 3.55 inches, which was 0.16 inch below normal. The greatest monthly precipitation was 6.56 inches, at Trenton, and the least, 1.39 inches at Pleasantville. The greatest amount of precipitation in any 24 consecutive hours was 4.12 inches at Trenton on the 30th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +2.45 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 8, 10, 11, 12, 13, 14, 17, 18, 23, 30.
DENSE FOG: 11, 16, 20.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	12 noon	7:30 p. m.	
Atlantic City	29.99	30.28	27	29.70	30	14.6	34	s.	11	77	68	78	62
Long Branch	29.98	30.26	27	29.66	30	11.2	30	nw.	6	74	55	65	57
Ridgefield	29.97	30.28	27	29.66	30	...	....	...	....	....	....	....	....
Sandy Hook	29.98	30.26	3	29.67	30	11.2	32	s.	13	76	64	73	73
Trenton	29.98	30.26	27	29.63	30	8.3	26	nw.	6	72	54	63	67

COMPARATIVE DATA FOR JUNE.

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Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	**1.57**	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	**64.0**	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	**106**	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	**73.6**	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
1938	67.2	96	**29**	**7.79**	0	13	11	9	10
1939	70.8	99	35	3.55	0	10	12	9	9
Period	68.8	106	29	3.71	0	10	13	10	7

Climatological Data for June, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	69.9	+3.3	95	17	54	7	34	1.60	−1.44	0.69	0	9	9	7	14	s.	U. S. Weather Bureau
Belleplain	Cape May	49	45	73.0^{a}	+4.1	95	17	44	7	44	2.74	−0.70	0.90	0	8	17	5	8	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	71.0	+2.1	93	17	44	7	38	4.14	+0.14	1.84	0	10	14	5	11	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	68.8	+1.5	90	10†	44	5	40	2.91	−1.05	1.18	0	10	17	2	11	ne.	John Kline.
Bridgeton	Cumberland	30	56	73.8	+1.7	95	8†	51	7	37	3.85	−0.07	1.47	0	10	17	3	10	sw.	Bennett K. Matlack
Burlington	Burlington	12	§53	73.4	+1.7	97	17	47	7	38	4.77	+1.08	1.36	0	11	15	7	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	5.27	....	1.83	0	16	9	7	14	e.	Central Airport, Inc.
Canoe Brook	Essex	180	8	68.0	.....	93	12	36	7	46	3.76	....	1.38	......	8	16	8	6	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	67.8	+2.8	92	1	36	7	49	2.60	−1.86	1.00	0	7	12	8	10	se.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	2.65	−1.31	1.26	0	11	18	9	3	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	72.5	+3.0	95	17	48	7	40	3.50	−0.24	0.72	0	12	12	1	17	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	2.44	−2.00	0.94	0	9	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	68.4	+1.6	89	8†	47	15	34	3.09	−1.34	1.27	0	9	4	16	10	......	William C. Harris
Elizabeth	Union	34	60	73.0	+2.6	96	8	45	7	45	4.60	+1.00	2.01	0	10	18	5	7	ne.	Union County Park Comm
Flemington	Hunterdon	140	§53	72.6	+3.1	98	17	46	7	44	3.11	−0.50	2.03	0	9	16	11	3	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	71.8	....	95	8	47	7	42	2.97	−0.64	1.71	0	9	22	5	3	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	71.8	....	96	17	44	7	39	3.09	−0.67	0.95	0	11	15	5	10	nw.	J. G. Wilson.
Hightstown	Mercer	110	46	70.4	+1.3	94	11	45	7	37	2.92	−0.84	1.38	0	11	14	12	4	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	71.0	+1.1	97	17	42	7	39	4.73	+0.80	1.34	0	13	10	15	5	w.	Edward Entwistle.
Jersey City	Hudson	81	41	73.7	+2.8	92	8†	56	7	33	3.84	+0.06	1.99	0	9	9	10	11	s.	Jersey Journal.
Lakewood	Ocean	54	35	71.2	+3.0	96	17	44	7	39	2.71	−1.30	0.95	0	9	10	5	15	sw	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	70.4	+0.9	93	17	46	7	36	3.47	−0.29	1.65	0	10	12	10	8	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	67.6	+1.9	91	9	35	7	44	3.11	−1.42	1.33	0	7	13	5	12	sw.	A. M. Depue.
Little Falls	Passaic	157	§36	70.0	+1.3	92	9	42	7	40	2.67	−1.35	1.11	0	10	13	10	7	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	70.0	+2.9	94	17	48	7	37	4.18	+0.32	2.04	0	9	7	14	9	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	69.2^{a}	......	94	8	42	7	46	1.54	....	0.62	0	9	12	9	9	nw.	R. H. Johnson.
Moorestown	Burlington	62	76	70.4	+0.2	95	17	48	7	36	3.63	−0.15	1.25	0	11	11	9	10	s.	Japanese Beetle Laboratory
Newark	Essex	10	40	72.2	+2.6	92	9	52	7	36	4.06	−0.46	1.87	0	11	3	17	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	71.2	+2.0	93	11	45	7	35	3.48	−0.20	1.58	0	9	9	10	11	nw.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	3.88	+0.33	1.94	0	10	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	68.1	+0.1	90	9	42	7	35	4.24	−0.24	1.85	0	10	10	11	9	sw.	Irving J. Kern.
Northfield‡‡	Atlantic	25	32	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	William L. Flick.
N. Merchantville	Camden	63	2	74.0	.....	99	17	52	7	35	4.60	....	1.37	0	12	14	11	5	se.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	...	E. Stanulis, Evening News
Pemberton	Burlington	55	9	71.8	....	96	17	46	7	39	4.30	....	1.70	0	13	14	3	13	s.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	71.8	+2.5	95	8	46	7	41	3.66	−0.07	1.62	0	9	14	11	5	......	Town Engineer.
Plainfield	Union	120	51	71.0	+2.4	93	17	46	7	38	5.91	+2.04	3.12	0	10	8	15	7	s.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	70.2	+1.8	92	10†	47	7	33	1.39	−2.11	0.58	......	9	....	....	....	w.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	70.8	+3.2	92	8	48	7	34	3.65	−0.14	1.88	0	11	9	17	4	se.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	68.4	−0.2	97	9	35	7	49	3.37	−0.16	1.05	0	9	20	7	3	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	70.4	+2.6	90	9	57	7	28	2.62	−1.16	1.71	0	8	7	12	11	s.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	70.4	+1.2	93	11†	46	7	38	3.45	−0.06	1.93	0	8	7	7	16	w.	Richard H. Rogers.
Sussex	Sussex	450	44	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Thomas R. Trudgen.
Trenton	Mercer	56	67	71.8	+2.3	96	17	54	7	35	6.56	+3.47	4.12	0	10	4	13	13	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	72.0	......	97	17	49	7	36	6.46	....	3.54	0	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	70.3	+1.5	98	17	45	7	35	1.58	−2.15	0.76	0	9	17	3	10	sw.	John H. Brown.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	2.76	−0.60	1.66	0	10	....	....	....	......	Hackensack Water Co.
New York, N. Y.	......	10	69	70.8	+2.0	89	9	57	7	28	3.98	+0.65	1.80	0	11	7	14	9	se.	U. S. Weather Bureau
Philadelphia, Pa.	......	26	68	73.2	+1.8	95	17	55	1	34	4.45	+1.21	1.32	0	15	8	10	12	e.	U. S. Weather Bureau.
For the State	......	......	....	70.8	+2.0	99	17	35	7	49	3.55	−0.16	4.12	0	10	12	9	9	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-30-39-900

Daily Precipitation for June, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City¹‡	Coast	.01	T.	....	T.	....	....	....	T.	....	.04	....	....	.13	.21	....	....	....	....	.18	.05	....	....	.14	....	....	....	....	....	.15	.69	....	1.60
Belleplain	Tuckahoe	....	.06	....	....	....	....	....	....	.30	....	.90	....	....	.67	....	....	....	....	.40	.06	....	....	....	....	....	....	....	....	.25	.10	....	2.74
Belvidere	Delaware	.33	....	....	.05	....	....	....	.03	....	.16	.10	....	....	1.84	....	....	....	....	.09	.30	....	....	....	....	....	....	....	....	.04	1.20	....	4.14
Boonton³	Passaic	.10	....	....	.10	.02	....	....	....	....	....	.16	.08	....	1.18	.10	....	....	....	....	.40	....	....	T.	....	....	....	....	....	....	.77	....	2.91
Bridgeton	Delaware	T.	.05	....	T.	....	....	....	....	.03	.47	.03	....	.91	.56	....	....	....	....	.73	.15	....	....	.14	....	....	....	....	....	....	.78	....	3.85
Burlington	....do	T.	.50	....	.11	....	....	....	T.	....	.15	....	.15	.10	.75	....	....	....	.80	.17	.65	....	....	T.	....	....	....	....	....	03	1.36	T.	4.77
Camden²	....do	.19	.01	....	.14	....	....	....	.16	....	.39	.22	....	.63	.11	....	....	.35	.37	.30	.48	....	.01	.08	....	....	....	....	....	.09	1.74	....	5.27
Canoe Brook³	Passaic	....	....	....	.06	....	....	....	....	....	....	.32	.02	....	1.26	....	....	....	....	....	.29	....	....	.03	.40	....	....	....	....	....	1.38	....	3.76
Charlotteburg	Passaic	....	....	....	.12	....	....	....	....	....	....	.12	.05	....	1.00	....	....	....	....	....	.29	....	....	.02	....	....	....	....	....	....	1.00	....	2.60
Chatham³	.. .do	....	....	....	.09	.02	....	....	....	....	....	.33	.04	....	.98	....	....	....	.02	....	.26	.02	....	.04	.59	....	....	....	....	....	1.26	....	2.65
Clayton	Delaware	....	.10	....	.08	....	....	....	....	.23	.28	.08	....	.72	.65	....	....	....	.22	.66	.13	....	....	....	....	....	....	....	....	.11	.24	....	3.50
Culvers Lake	....do	.35	....	....	.11	....	....	....	....	.03	....	....	.18	....	.94	....	....	....	....	....	.42	....	....	....	....	.02	....	....	....	.02	.37	....	2.44
Dover	Passaic	....	....	....	.12	....	....	....	....	....	.15	.18	....	*	1.27	....	....	.15	....	*	.38	....	....	....	....	....	....	....	....	....	.84	....	3.09
Elizabeth	Coast	....	....	....	.05	....	....	....	....	T.	.28	T.	.06	.15	1.38	....	....	....	....	.03	.22	.42	....	T.	....	....	....	....	....	.03	1.98	....	4.60
Flemington	Raritan	....	T.	....	.06	....	....	....	....	....	.19	....	.08	.18	1.85	....	....	....	.02	.19	....	....	....	T	....	....	....	....	....	.03	.51	....	3.11
Freehold	.do	....	....	....	.08	....	....	....	....	....	.37	....	.02	1.02	.69	....	....	T.	....	.22	.04	....	....	T.	.01	....	....	....	....	T.	.52	....	2.97
Hammonton	Mullica	....	.13	....	.08	....	....	....	....	....	T.	.06	T.	.15	.74	....	....	....	.51	.20	.15	.02	....	T.	....	....	....	T.	....	.10	.95	....	3.09
Hightstown	Raritan	....	T.	....	.13	....	....	....	....	....	.13	....	.32	.18	1.20	....	....	....	.03	.13	.01	....	....	.02	....	....	....	....	....	.02	.75	....	2.92
Indian Mills	Mullica	....	.37	....	.13	....	....	....	.34	T.	.09	.04	T.	.74	.62	....	....	....	.38	.20	.44	....	....	.04	....	....	....	T.	....	.22	1.12	....	4.73
Jersey City	Coast	T.	....	....	.11	....	....	....	....	T.	.14	T.	.03	T.	1.41	.12	....	T.	T	.01	.01	T	....	.02	....	....	....	....	....	T.	1.99	....	3.84
Lakewood	Metedeconk	....	....	....	.17	....	....	....	....	....	.23	....	....	.24	.71	....	....	....	....	.12	.40	....	....	.05	....	....	....	....	....	.04	.75	....	2.71
Lambertville(nr.)	Delaware	....	.03	....	.11	....	....	....	....	....	.02	....	....	.32	1.33	....	....	....	.84	.26	.06	....	....	T	....	....	....	....	....	.11	.39	....	3.47
Layton(near)	....do	.30	....	....	.10	....	....	....	.04	....	....	.41	....	....	.69	....	....	....	....	....	.24	....	....	....	....	....	....	....	....	....	1.33	....	3.11
Little Falls³	Passaic	.06	....	....	.20	.01	....	....	....	....	....	.15	.03	....	1.00	.11	....	....	....	....	.18	T.	....	.03	....	....	....	....	....	....	.90	....	2.67
Long Branch²‡	Coast	....	T.	....	.11	....	T.	....	T.	....	.10	....	....	1.86	.18	....	....	.06	.01	.07	....	....	....	.55	....	....	....	....	....	T.	1.24	....	4.18
Long Valley	Raritan	....	....	....	.02	....	....	....	....	....	.22	.12	....	.14	.04	....	....	....	....	.36	....	....	....	.02	....	....	....	....	....	.42	.20	....	1.54
Moorestown³	Delaware	....	.10	....	.06	.09	....	....	....	....	....	.59	.12	....	.94	....	....	....	.07	T.	.13	.25	....	.03	....	....	....	....	....	....	1.25	....	3.63
Newark¹	Coast	T.	T.	....	.10	....	....	....	T.	....	.18	.03	....	1.03	.29	....	....	T.	....	.02	.05	....	....	.13	....	....	....	.01	....	.35	1.87	....	4.06
New Brunswick	Raritan	....	....	....	.15	....	....	....	....	T.	T.	....	.41	.16	1.42	....	....	....	.03	.16	.05	....	....	.03	....	....	....	....	....	T.	1.07	....	3.48
New Milford²‡	Hackensack	....	....	....	.10	.03	....	....	....	....	.09	.03	....	.40	.57	....	....	....	....	....	.07	....	....	.63	.02	....	....	....	....	....	1.94	....	3.88
Newton	Delaware	.08	....	....	.11	....	....	....	.02	....	.14	.18	.26	....	1.85	....	....	....	....	.04	.16	....	....	....	....	....	....	....	....	....	1.40	....	4.24
Northfield	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
N. Merchantville	Delaware	....	.12	....	.14	....	....	....	T.	T.	.22	.03	.18	.04	.78	....	....	....	.78	.20	.69	....	....	.05	....	....	....	....	....	T.	1.37	....	4.60
Paterson	Passaic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Delaware	....	.19	....	.10	....	....	....	....	.05	.81	.10	.09	1.21	.49	....	....	....	T.	.09	.07	.09	....	....	....	....	....	....	....	.12	.89	....	4.30
Phillipsburg	....do	T.	T.	....	.05	....	....	....	T	....	.26	.40	....	1.15	.47	....	....	T.	T.	.05	.57	....	T.	T.	....	....	....	....	....	.09	.62	....	3.66
Plainfield	Raritan	....	....	....	.04	....	....	....	....	....	.78	....	.04	.20	1.34	....	....	....	....	.15	.23	....	....	.01	....	....	....	....	....	.07	3.05	....	5.91
Pleasantville³	Coast	....	.01	....	....	T.	....	....	....	....	....	.03	....	T.	.36	.01	....	....	....	.01	.58	.06	....	....	.15	....	....	....	....	....	.18	....	1.39
Ridgefield²	Hackensack	....	....	....	.08	....	....	....	.01	....	.12	.01	....	.13	1.27	....	....	T.	....	.03	.07	....	....	.02	T.	....	....	....	....	.03	1.88	....	3.65
Runyon	Coast	....	....	....	.10	....	....	....	....	....	.02	....	.37	.24	.85	....	....	....	.52	.22	....	....	....	....	....	....	....	....	....	.03	1.02	....	3.37
Sandy Hook¹‡	Coast	....	T.	....	.10	....	....	....	....	T.	.03	.02	T.	1.48	.23	....	....	T.	....	.09	T.	....	....	.03	....	....	....	....	....	T.	.64	....	2.62
Somerville(near)	Raritan	....	....	....	.05	....	....	....	....	....	.33	....	.05	.14	1.79	....	....	....	....	.13	....	....	....	.20	....	....	....	....	....	....	.76	....	3.45
Sussex	Hudson	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Trenton¹‡	Delaware	T.	T.	....	.13	....	....	....	.30	....	T.	.11	....	.85	.25	....	....	.47	T.	.24	.02	....	....	T.	....	....	T.	T	....	.19	4.00	....	6.56
Trenton No. 2²	Delaware	....	T.	....	.19	....	....	....	.46	....	T.	.11	....	.94	.31	....	....	.47	T.	.29	.04	....	....	.02	....	....	....	....	....	.09	3.54	....	6.46
Tuckerton	Coast	....	....	....	.01	....	....	....	....	.05	.71	....	....	....	.36	....	....	....	....	.07	.08	....	....	.07	....	....	....	....	....	.07	.16	....	1.58
Woodcliff Lake²‡	Hackensack	....	....	....	.11	.02	....	....	.02	....	....	....	....	.44	.29	....	....	....	....	.02	.08	....	....	.08	.04	....	....	....	....	....	1.66	....	2.76
New York, N. Y¹‡	Coast	....	T.	....	.11	....	....	....	T.	....	.19	.08	....	1.34	.27	....	....	.01	....	.01	.02	....	....	.08	....	....	....	....	....	.07	1.80	....	3.98
Phila., Pa¹‡	Delaware	.07	.01	....	.14	....	....	....	.11	....	.16	.33	....	.79	.07	....	....	.57	.15	.30	.35	....	T.	.05	....	....	....	....	....	.11	1.24	....	4.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. ² Precipitation for period from midnight to midnight. ³ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation	.240	.176	.220	.096	.224	.256	.224	.160	.288	.085	.244	.256	.108	.160	.160	.224	.176	.128	.018	.128	.256	.190	.096	.224	.192	.144	.144	.176	.004	.138	....	5.135
	Wind movement	14	9	18	3	12	25	2	1	8	1	3	24	11	10	13	11	16	7	18	5	8	13	5	11	10	6	10	8	10	6	....	298
Pleasantville³	Evaporation	.234	.096	.224	.256	.288	.224	....	....	.224	.126	.384	.304	.168	.170	.240	288	.288	.138	*	.096	.288	.096	.198	.320	.320	.256	.128	.144	.020	.020	....	5.538
	Wind movement	46	29	*	79	53	92	82	63	39	37	88	56	101	46	75	84	84	80	69	62	59	61	69	102	24	29	59	92	120	84	....	1964
Runyon	Evaporation	.270	.240	.240	.180	.240	.280	.240	.270	.270	.230	.240	.250	.240	.220	.210	.240	.240	.040	.130	.120	.240	.240	.240	.240	.180	.180	.180	.180	.150	.160	...	6.380
	Wind movement	32	34	32	17	32	48	43	30	22	20	21	55	32	34	28	29	38	23	35	24	22	29	28	21	23	30	23	35	24	51	....	915

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ³ Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for June, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	77	65	73	68	79	90	70	71	90	79	77	87	73	78	72	92	95	63	68	75	87	72	75	78	82	72	72	73	70	71	....	76.5
	Minimum	59	57	58	60	58	59	54	61	66	69	67	69	66	65	61	64	61	59	62	64	70	65	67	66	66	62	64	67	67	67	....	63.3
Belleplain	Maximum	89	83	74	76	83	93	88	91	90	89	92	89	84	81	88	91	95	93	83	88	85	85	88	83	....	81	79	76	74	84	....	85.3[a]
	Minimum	62	57	59	53	49	60	44	54	56	61	64	69	63	66	52	65	74	60	60	67	69	66	65	61	....	53	58	59	63	69	....	60.6[a]
Belvidere	Maximum	84	80	82	84	84	84	82	91	92	83	91	83	81	81	79	84	93	80	66	86	86	86	88	86	81	85	84	83	76	87	....	83.7
	Minimum	63	60	54	55	47	61	44	56	67	54	62	63	56	60	49	63	63	60	59	62	59	53	62	53	61	50	62	59	67	67	....	58.4
Boonton§§	Maximum	78	75	74	79	83	80	79	89	90	84	90	80	81	74	78	83	90	72	68	84	84	80	82	81	75	79	77	84	77	86	....	80.5
	Minimum	65	57	51	54	44	64	45	49	61	52	60	63	55	61	47	57	63	59	55	58	64	55	61	54	62	53	58	58	62	67	....	57.1
Bridgeton	Maximum	89	76	83	78	86	91	87	95	92	89	94	89	82	77	80	92	95	90	69	89	80	88	87	87	82	78	82	79	78	87	....	85.0
	Minimum	66	56	53	56	52	61	51	58	70	64	65	68	76	67	56	67	73	60	59	67	62	64	65	59	65	59	62	60	63	70	....	62.5
Burlington	Maximum	93	88	79	77	85	87	81	93	93	91	94	87	84	78	80	92	97	94	65	87	87	86	88	90	88	81	82	80	75	90	....	85.7
	Minimum	65	56	58	57	52	60	47	55	71	59	67	65	61	66	54	64	67	60	61	64	69	59	64	63	59	59	61	60	62	70	....	61.2
Canoe Brook§§	Maximum	78	70	73	80	85	82	78	91	89	86	93	83	79	76	80	84	89	68	68	86	87	79	85	82	76	79	85	85	78	81	....	81.2
	Minimum	64	55	47	49	39	60	36	47	61	48	57	61	51	64	43	57	59	59	57	62	63	48	60	48	54	47	56	58	63	67	....	54.7
Charlotteburg	Maximum	92	75	73	78	81	82	79	91	89	88	88	86	81	75	77	80	88	88	67	83	85	84	84	83	82	78	78	86	79	87	....	82.2
	Minimum	58	59	43	51	45	63	36	42	66	48	55	63	48	62	41	62	56	57	46	59	62	47	57	49	56	46	52	52	60	66	....	53.5
Clayton	Maximum	92	76	80	72	93	91	83	91	92	88	93	93	93	80	80	80	95	70	66	88	93	83	85	84	81	81	80	77	75	86	....	84.4
	Minimum	65	54	51	55	53	59	48	52	70	63	69	64	62	65	54	65	73	58	58	65	68	60	64	59	62	56	60	56	60	70	....	60.6
Dover	Maximum	80	71	72	79	83	80	77	89	89	79	88	79	78	73	75	80	89	66	64	83	85	76	81	80	72	76	75	83	74	85	....	78.7
	Minimum	61	58	50	56	50	60	53	55	67	55	60	62	55	57	47	64	61	58	56	61	62	53	61	53	60	57	58	58	64	67	....	58.0
Elizabeth	Maximum	82	84	77	83	90	87	84	96	93	91	93	90	82	81	80	93	93	70	66	90	93	86	88	89	83	83	86	89	81	91	....	85.8
	Minimum	64	59	53	55	47	62	45	51	69	57	61	63	59	65	50	62	64	60	52	63	63	57	63	54	61	62	69	73	70	71	....	60.1
Flemington	Maximum	87	77	80	82	91	85	85	97	94	90	97	88	82	76	83	88	98	77	65	90	87	83	90	88	80	84	86	85	80	90	....	85.5
	Minimum	68	50	56	59	47	63	46	53	70	58	63	65	58	64	51	64	65	60	60	63	63	57	63	55	65	56	60	59	64	70	....	59.8
Freehold	Maximum	93	75	74	79	85	85	81	95	93	90	93	88	84	78	77	88	93	71	64	87	86	85	86	86	83	78	77	83	80	85	....	83.4
	Minimum	64	58	52	50	55	67	47	53	68	60	65	74	62	66	52	64	68	58	59	62	65	58	62	56	62	53	58	60	61	69	....	60.3
Hammonton	Maximum	94	75	78	74	85	90	81	93	93	91	95	93	84	79	77	91	96	76	65	89	86	84	87	88	82	81	79	79	79	87	...	84.4
	Minimum	65	54	49	54	52	60	44	54	69	60	62	65	59	65	51	64	72	57	58	64	68	56	64	56	60	53	59	56	60	68	....	59.3
Hightstown	Maximum	88	73	74	75	83	85	81	92	92	91	94	83	79	75	78	85	93	67	64	84	87	75	85	83	75	80	79	83	74	88	....	81.5
	Minimum	62	57	56	55	49	63	45	55	68	57	64	65	60	65	51	66	66	58	59	63	62	54	63	55	60	53	57	60	60	69	....	59.2
Indian Mills	Maximum	83	74	78	75	85	89	81	93	91	90	93	87	83	79	80	91	97	68	65	90	86	85	88	84	80	80	81	79	73	86	....	83.1
	Minimum	61	54	50	55	47	62	42	54	70	58	64	65	60	66	49	65	68	58	59	65	66	54	64	54	61	51	60	58	61	70	....	59.0
Jersey City	Maximum	91	78	73	78	85	83	81	92	92	92	86	85	84	78	76	87	92	80	69	84	88	88	83	85	83	78	78	82	79	82	....	83.1
	Minimum	67	62	58	60	62	61	56	59	73	70	65	71	65	66	61	68	72	63	61	61	67	63	65	63	68	59	63	63	68	68	....	64.3
Lakewood	Maximum	88	73	75	75	86	88	80	93	94	91	93	87	82	77	77	88	96	67	65	85	87	84	87	85	79	76	77	83	78	86	....	82.7
	Minimum	63	58	50	54	50	64	44	54	70	59	64	66	61	67	50	64	67	61	61	64	64	57	63	59	61	52	56	61	59	69	....	59.7
Lambertville (near)	Maximum	82	74	76	79	83	84	78	90	90	89	92	85	82	73	80	86	93	78	75	83	85	81	85	80	78	78	75	80	74	85	....	81.8
	Minimum	64	57	55	56	54	56	46	54	60	62	63	60	61	64	50	64	66	57	58	60	63	60	64	61	60	54	58	62	60	59	....	58.9
Layton (near)	Maximum	78	72	75	80	85	80	79	90	91	85	90	78	76	71	76	82	89	70	66	85	87	81	85	83	76	80	81	87	78	86	....	80.7
	Minimum	60	57	49	54	40	50	35	59	63	45	58	61	50	62	45	64	58	59	52	61	52	46	63	47	54	45	57	57	67	68	....	54.6
Little Falls§§	Maximum	80	75	75	82	86	82	79	91	92	85	90	82	82	76	80	85	90	73	70	87	89	82	85	84	77	78	79	85	78	67	....	82.2
	Minimum	64	58	51	53	46	68	42	53	65	53	61	64	56	64	47	64	62	59	53	62	63	55	61	54	58	53	59	58	65	67	....	57.9
Long Branch	Maximum	73	67	68	77	85	83	70	93	90	81	86	85	75	76	74	86	94	66	65	85	86	74	81	81	78	75	71	81	78	80	....	78.8
	Minimum	59	59	57	58	55	55	48	57	68	65	63	68	66	57	53	68	57	57	62	65	70	64	66	62	63	58	63	63	65	67	....	61.2
Long Valley	Maximum	87	75	....	79	85	81	80	94	91	82	92	84	82	74	80	84	91	68	66	85	86	80	85	82	76	81	80	84	76	85	....	81.9[a]
	Minimum	66	55	....	68	46	59	42	48	67	52	54	68	52	45	54	60	58	56	59	63	52	60	50	58	49	66	55	58	67	62	....	56.5[a]
Moorestown	Maximum	77	73	74	62	82	88	78	91	90	88	92	82	82	76	79	89	95	64	70	87	84	82	86	82	78	79	79	78	72	86	....	80.8
	Minimum	58	55	54	55	51	56	48	55	69	64	67	65	63	59	55	66	62	59	59	62	67	57	65	57	63	56	62	58	62	70	....	60.0
Newark	Maximum	83	77	74	80	86	82	76	91	92	88	89	84	79	77	78	85	91	69	67	86	88	80	86	84	78	77	76	83	80	85	....	81.7
	Minimum	61	60	62	58	57	66	52	55	73	66	64	66	63	62	56	65	62	61	59	64	70	63	65	62	68	59	63	63	66	69	....	62.7
New Brunswick	Maximum	91	72	74	78	84	83	79	91	92	90	93	90	80	74	77	85	93	73	64	85	86	84	84	82	79	78	77	83	76	84	....	82.0
	Minimum	65	59	55	55	51	66	45	56	70	59	61	65	61	65	52	65	67	59	61	63	68	57	62	58	61	55	60	61	62	69	....	60.4
Newton	Maximum	80	71	75	72	81	78	77	88	90	82	89	77	78	71	76	79	87	75	65	83	83	79	83	80	77	77	79	85	76	85	....	79.3
	Minimum	52	56	54	58	53	62	42	55	64	58	59	63	55	62	49	62	60	56	54	60	56	53	60	51	58	51	56	59	63	65	....	56.9
N. Merchantville	Maximum	89	76	82	80	86	89	82	94	93	91	96	87	85	80	83	92	99	83	65	88	89	86	88	84	81	83	80	80	77	89	....	85.2
	Minimum	68	55	56	58	57	67	52	59	74	64	68	67	66	66	57	66	70	59	61	61	68	64	65	60	62	59	62	61	63	70	....	62.8
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	93	75	78	75	84	88	85	93	93	90	93	84	83	79	80	91	96	68	65	89	86	86	88	86	83	80	81	81	78	87	....	83.9
	Minimum	67	55	53	56	50	62	46	54	70	57	63	65	63	66	54	65	57	61	61	63	65	58	64	51	61	56	58	59	62	70	....	59.7
Phillipsburg	Maximum	80	75	82	84	89	85	83	95	94	85	94	85	80	76	79	90	94	66	64	86	90	84	89	86	77	83	82	82	73	88	....	83.8
	Minimum	66	61	58	59	52	61	46	54	70	55	64	64	59	60	60	62	65	61	61	63	59	56	65	54	62	53	63	61	67	67	....	60 3
Plainfield	Maximum	84	77	75	79	88	85	80	93	94	89	92	85	80	77	79	87	93	68	65	84	87	78	86	84	78	80	80	85	77	87	....	82.5
	Minimum	68	59	55	50	47	64	46	55	69	60	63	64	55	60	50	62	64	60	60	62	65	60	62	56	62	56	60	58	64	65	....	59.4
Pleasantville§§	Maximum	73	68	70	72	84	88	70	83	92	84	87	89	78	80	81	92	92	67	70	83	86	78	81	80	81	76	73	77	74	79	....	79.6
	Minimum	65	58	50	55	51	61	47	58	60	61	62	68	62	66	52	66	75	61	61	62	68	58	66	63	64	55	57	58	65	68	....	60.8
Ridgefield	Maximum	78	76	76	78	84	81	78	92	91	83	89	83	80	76	77	83	87	71	68	84	88	80	85	83	75	78	77	84	31	84	....	81.0
	Minimum	63	60	55	57	53	56	48	58	68	61	62	67	62	65	53	65	61	60	55	61	65	59	64	58	63	57	62	62	67	68	....	60.5
Runyon	Maximum	86	74	74	82	84	87	84	93	97	94	95	89	79	80	79	89	96	69	69	89	90	89	84	80	78	80	83	84	78	86	....	84.0
	Minimum	63	49	47	50	39	54	35	51	63	49	51	51	54	64	54	52	52	54	58	59	58	64	49	50	45	46	54	45	58	68	....	52.9
Sandy Hook	Maximum	76	66	65	74	82	81	70	89	90	80	82	81	73	77	72	82	90	66	66	79	86	73	80	82	76	75	70	77	76	81	....	77.2
	Minimum	61	59	58	59	63	58	57	61	67	64	64	68	66	64	62	66	62	61	63	65	68	65	65	65	66	64	63	65	67	68	....	63.5
Somerville (near)	Maximum	80	76	76	80	86	84	79	92	92	85	93	85	81	76	76	84	93	67	65	85	85	77	87	83	79	79	79	83	75	85	...	81.6
	Minimum	60	56	54	55	54	63	46	54	69	62	62	64	59	63	51	62	64	59	58	62	59	57	62	55	61	53	59	59	63	68	....	59.1
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Trenton	Maximum	79	75	76	78	83	85	80	91	91	89	92	83	80	76	78	88	96	65	68	82	86	80	86	83	77	78	79	79	72	85	....	81.3
	Minimum	61	59	58	58	58	57	54	58	72	66	65	67	66	62	56	66	61	59	60	68	68	63	64	62	63	59	63	62	64	68	....	62.2
Trenton No. 2	Maximum	80	78	79	79	85	85	81	93	92	88	94	85	84	77	79	89	97	70	65	84	87	82	87	84	78	82	82	81	74	87	....	82.9
	Minimum	61	58	56	58	53	64	49	57	70	62	65	66	63	64	53	65	68	59	59	64	65	58	63	58	63	57	62	61	62	68	....	61.0
Tuckerton	Maximum	81	70	70	72	80	88	80	85	91	82	85	88	82	78	72	92	98	73	69	78	87	78	81	80	81	77	75	80	75	80	....	80.3
	Minimum	65	57	58	55	50	60	45	58	68	60	63	65	62	62	62	68	70	58	58	58	65	58	65	60	62	55	58	60	65	60	....	60.3
New York, N. Y	Maximum	81	75	68	77	82	79	74	87	89	84	85	81	78	75	75	82	88	68	65	84	86	79	81	81	74	75	75	80	76	81	....	78.8
	Minimum	60	59	58	58	64	61	57	59	71	66	66	68	64	63	60	65	62	60	60	64	68	63	64	63	65	60	61	63	67	67	....	62.9
Philadelphia, Pa	Maximum	80	74	79	78	83	88	78	90	91	88	93	82	81	77	80	91	95	64	68	85	88	82	87	83	81	80	78	77	73	86	....	82.0
	Minimum	55	56	59	59	62	59	58	61	75	72	67	71	66	67	62	68	61	60	62	68	70	68	66	65	69	64	63	64	65	70	....	64.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

/N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. JULY, 1939. No. 7.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Temperature for July averaged practically normal. The first decade was quite warm averaging about 3° above normal. The period from the 11th to 23d was comparatively cool and pleasant for July. The remainder of the month was slightly above normal. The hottest days were the 8th and 25th, two stations registering 98° on the latter date. Monthly minimum readings were generally recorded on the 3d and 23d, and were near 50° for most stations, although a few recorded considerably lower readings.

Rainfall this month was the least for any July since 1929 and this was one of the four driest Julys since records were begun in 1885. The month began with sufficient soil moisture, after which rainfall, in most localities consisted of only light showers until the 27th. Good rains fell generally from the 27th to 30th. Some damage was caused corn, potatoes and truck crops by lack of moisture during the month; the injury would have been greater except for adequate rainfall in June. All stations registered less than normal rainfall except Tuckerton and Pleasantville in Atlantic County.

During a brief windstorm on the 11th, a boy was killed at Washington Crossing when a tree was blown down upon him. Some slight wind damage to property was done at the same time in Trenton and Mercer county.

The Delaware River was at low stages throughout the month, falling to —0.16 at Trenton on the 27th, which is the lowest reading here since August 1923.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 36 stations, was 73.4°, which was 0.3° below normal. The highest temperature was 98° at Flemington on the 8th and 25th and Belvidere on the 25th, and the lowest, 38°, at Charlotteburg on the 23d. The greatest daily range of temperature was 51° at Charlotteburg on the 17th. The highest monthly mean temperature was 76.0° at Bridgeton and N. Merchantville, and the lowest, 70.0° at Charlotteburg.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 42 stations, was 2.33 inches, which was 2.46 inches below normal. The greatest monthly precipitation was 5.65 inches, at Pleasantville and Tuckerton, and the least, 0.70 inches at Long Branch. The greatest amount of precipitation in any 24 consecutive hours was 3.93 inches at Pleasantville on the 9-10th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is —0.01 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 8, 9, 10, 14, 24, 25, 27, 28, 30.
DENSE FOG: 7, 18, 19, 26, 27.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.98	30.26	3	29.62	14	14.1	47	sw.	14	80	70	77	69
Long Branch	29.96	30.26	21	29.60	14	10.0	42	nw.	10	78	56	67	67
Ridgefield	29.96	30.25	21	29.61	14	..	....	.. ...	....	....	....	....	....
Sandy Hook	29.97	30.25	21	29.61	14	10.9	39	w.	10	80	60	75	78
Trenton	29.96	30.24	3	29.61	14	7.5	32	nw.	10	75	50	62	73

COMPARATIVE DATA FOR JULY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
1938	74.7	98	43	8.84	0	16	11	10	10
1939	73.4	98	38	2.33	0	8	14	10	7
Period	73.7	110	33	4.79	0	10	13	11	7

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Climatological Data for July, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	72.5	+0.4	88	31	57	23	26	1.60	−2.33	0.78	0	5	10	10	11	s.	U. S. Weather Bureau.
Belleplain	Cape May	49	45	73.6	+0.2	92	26†	51	16†	32	2.56	−1.75	1.00	0	8	17	8	6	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	73.4[b]	+0.2	98	25	45	23	45	2.10	−2.44	0.60	0	7	16	11	4	.....	Miss C. S. Hixson.
Boonton	Morris	280	§49	72.4	+0.5	95	25	46	3†	44	1.62	−3.02	0.69	0	8	17	0	14	nw.	John Kline.
Bridgeton	Cumberland	30	56	76.0	−0.5	95	25	54	23	30	1.01	−3.44	0.45	0	5	17	9	5	s.	Bennett K. Matlack
Burlington	Burlington	12	§53	75.2	−1.6	97	25	50	23	38	3.84	−1.10	1.46	0	10	18	5	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	.....	.....	.....	.....	.....	.....	.....	2.54	.....	0.70	0	7	14	4	13	sw.	Central Airport, Inc
Canoe Brook	Essex	180	8	70.4	.....	94	25	41	23	37	2.34	.....	1.06	.....	4	24	4	3	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	70.0	+0.1	94	25	38	23	51	3.81	−0.77	2.87	0	5	17	8	6	s.	Newark Water Dept.
Chatham	Morris	185	35	.....	.....	.....	.....	.....	.....	.....	2.13	−2.81	0.79	0	7	24	5	2	.....	Paul Molitor, Sr.
Clayton	Gloucester	120	26	74.5	−0.7	94	8	53	3†	32	1.84	−2.72	0.49	0	9	14	4	13	s	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	.....	.....	.....	.....	.....	.....	.....	2.57	−2.21	0.78	0	9	.....	.....	.....	.....	L. S. Depue.
Dover	Morris	600	55	70.6[a]	−0.8	92	25	46	3	39	1.67	−3.54	1.19	0	7	9	19	3	.....	William C. Harris
Egg Harbor City	Atlantic	63	17	.....	.....	.....	.....	.....	.....	.....	3.76	.....	2.93	0	6	3	20	8	.....	Chas. E. Hall.
Elizabeth	Union	34	60	.....	.....	.....	.....	.....	.....	.....	1.92	−2.80	0.84	0	7	12	14	5	ne.	Union County Park Comm
Flemington	Hunterdon	140	§53	75.2	+0.7	98	8†	48	23	45	1.95	−2.90	0.72	0	6	20	8	3	sw.	Hiram E. Deats
Freehold	Monmouth	194	¶35	74.0	.....	94	8	51	2	35	0.99	−4.27	0.39	0	9	24	5	2	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	74.0	.....	97	25	49	3	36	1.53	−3.01	0.62	0	8	19	5	7	sw.	J. G. Wilson.
Hightstown	Mercer	110	46	72.6[g]	−1.5	96	25†	49	23	40	2.49	−2.43	0.80	0	8	14	12	5	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	73.6	−0.9	97	25	47	3	38	2.20	−2.55	1.10	0	10	13	13	5	sw.	Edward Entwistle.
Jersey City	Hudson	81	41	75.7	−0.1	94	8†	57	23	28	0.96	−3.39	0.41	0	8	8	11	12	s.	Jersey Journal.
Lakewood	Ocean	54	35	73.8	+0.8	94	8†	50	3†	34	1.63	−3.37	0.32	0	11	15	7	9	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	73.8	−0.2	96	25	50	23	37	1.00	−3.64	0.26	0	9	22	6	3	w.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	71.0	+0.1	97	25	39	23	52	3.98	−0.42	2.85	0	8	11	8	12	sw.	A. M. Depue.
Little Falls	Passaic	157	§36	72.9	−0.9	94	8	48	3	41	1.85	−2.87	1.04	0	7	13	14	4	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	73.4	+1.3	94	8	54	2†	27	0.70	−5.15	0.20	0	7	8	17	6	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	70.8[a]	.....	97	25	39	23	50	1.88	.....	0.65	0	9	19	6	6	se.	R. H. Johnson.
Moorestown	Burlington	62	76	73.7	−1.0	94	25	49	23	37	3.16	−1.54	1.90	0	9	17	8	6	s.	Japanese Beetle Laboratory
Newark	Essex	10	40	74.8	+0.2	94	8	55	23	31	1.71	−3.24	1.14	0	8	7	14	10	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	73.4	−0.6	93	8†	51	3†	35	2.77	−2.46	0.74	0	9	10	11	10	se.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	.....	.....	.....	.....	.....	.....	.....	1.28	−3.84	0.44	0	6	.....	.....	.....	.....	Hackensack Water Co
Newton	Sussex	769	56	71.0	−1.5	95	25	45	23	37	2.61	−2.22	1.11	0	9	11	14	6	sw.	Irving J. Kern.
N. Merchantville	Camden	63	2	76.0	.....	94	8†	55	3†	34	5.29	.....	1.90	0	9	12	12	7	sw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. Stanulis, Evening News
Pemberton	Burlington	55	9	74.4	.....	96	25	51	22†	37	3.78	.....	1.08	0	10	16	8	7	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	73.8	−0.1	93	3	46	23	43	2.58	−1.90	1.03	0	7	16	11	4	.....	Town Engineer.
Plainfield	Union	120	51	73.8	+0.2	96	25	50	23	33	1.82	−3.73	0.74	0	7	7	15	9	s.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	72.8	−0.6	92	10	51	16	32	5.65	+1.59	3.93	0	11	16	12	3	s.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	73.9	+1.0	92	8†	52	3	34	2.26	+2.56	1.05	0	7	8	19	4	s.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	72.4	−0.7	93	8†	41	3	40	2.09	−3.29	0.79	0	7	18	13	0	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	74.0	+0.5	91	8	60	23	24	0.91	−4.21	0.39	0	6	10	8	13	s.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	56	73.7	−0.3	95	25	52	3†	34	2.79	−2.45	2.14	0	9	5	11	15	se.	Richard H. Rogers.
Sussex	Sussex	450	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thomas R. Trudgen.
Toms River	Ocean	33	18	.....	.....	.....	.....	.....	.....	.....	1.73	.....	0.71	0	11	.....	.....	.....	.....	Robt. F. Snyder.
Trenton	Mercer	56	67	74.6	+0.1	95	25	55	23	31	1.04	−2.90	0.67	0	6	9	11	11	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	74.6	.....	96	25	51	23	36	1.18	.....	0.73	0	6	.....	.....	.....	.....	Edward H. Ristow.
Tuckerton	Ocean	23	46	72.3	−1.7	90	10†	51	16	31	5.65	+1.67	2.91	0	10	15	6	10	sw	John H. Brown.
Vineland	Cumberland	109	11	.....	.....	.....	.....	.....	.....	.....	0.91	.....	0.48	0	7	.....	.....	.....	.....	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	.....	.....	.....	.....	.....	.....	.....	1.28	−3.29	0.58	0	7	.....	.....	.....	.....	Hackensack Water Co.
Woodstown	Salem	16	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Bishop.
New York, N. Y.	.....	10	69	74.1	+0.3	90	25	58	23	27	0.44	−3.80	0.27	0	6	7	13	11	s.	U. S. Weather Bureau.
Philadelphia, Pa	.....	26	68	76.2	0.0	94	25	60	23	25	2.19	−1.96	1.61	0	10	10	13	8	sw.	U. S. Weather Bureau.
For the State	.....	.....	.....	73.4	−0.3	98	8†	38	23	51	2.33	−2.46	3.93	0	8	14	10	7	s.	

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† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, [a], [b] [c], etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlottsburg is Newfoundland; Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-10-6-39-900

Daily Precipitation for July, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.					T.	T.		.78				T.	.24					T.			.47		T.	.06		T.	.05	T.			1.60
Belleplain	Tuckahoe	1.00				.12	.05			T.	.54			T.	.08				.08				.55	T.	T.			.14					2.56
Belvidere	Delaware					.39		.40	T.						.15												T.	.60	.20	.05	.31		2.10
Boonton[3]	Passaic	.24					T.	.15	.05						.18										T.				.69	.19	.08	.04	1.62
Bridgeton	Delaware	.23				T.								T.	.09								.16		T.			T.	T.	.45	.08		1.01
Burlington	....do	.65					.05	T			.10				.14				.01								.04	1.30	.09	.01	1.45		3.84
Camden[2]	Delaware					T.	T.	T.	T.	.11	.03			T.	.34				T.						T.	.70		.65	.01	T.	.70		2.54
Canoe Brook[3]	Passaic	.97																											1.06	.11	.20		2.34
Charlotteburg	Passaic	.20					.65																					.12	2.75		.09		3.81
Chatham[3]	.do	.79				.02									.03														.75	.27	.23	.04	2.13
Clayton	Delaware	.05						.14		.44					.49								.11	.05				.09	.09	.38			1.84
Culvers Lake	....do	.60				.12	.06		.06		.22				.13													.27	.78		.33		2.57
Dover	Passaic					.01	.06								.19													.83	.36	.15	.07		1.67
Egg Harbor City	Mullica						.10			2.93					.18								.22					.01	.32				3.76
Elizabeth	Coast	.84					.15	.02		.20	T.				.05													.65	.01		T.		1.92
Flemington	Raritan	.08				T.	T.				.38				.18										T.			.39	.20		.72		1.95
Freehold	.do	.22					T.			.07	.39	.05			.07													.10	.05	.03	.01		0.99
Hammonton	Mullica	.13						T.		.62	.03			T.	.15				T.				.14					.06	.29	T.		.11	1.53
Hightstown	Raritan	.80					.03			.29	.30		T.	T.	.53								T.		T.			.51	.02	.01	T.		2.49
Indian Mills	Mullica	.25				T.	.01	T.		1.10	T.			T	.16				T.				.09		.01	T.		.20	.02	.06	.30		2.20
Jersey City	Coast	.41				T.	.01	T.		.01	T.		T.		.06														.30	.02	.14	.01	0.96
Lakewood	Metedeconk	.20					T.	.09		.27	.05			T.	.25				.08				.07					.26	.12	.14	.07		1.63
Lambertville(nr.)	Delaware	.25				.03			T.	.03	.11		T.		.23										.04			.25	.01		.05		1.00
Layton(near)	....do	.02				.03			.14		.42		.02		T.													1.76	1.09		.50		3.98
Little Falls[3]	Passaic	.50						.02							.15														1.04	.05	.07	.02	1.85
Long Branch[2]‡	Coast				T.		.01		T.	.03	.20		T.		.14								T.					.10	.09	.13			0.70
Long Valley	Raritan	.20					.03	.10		T.					.13													.10	.65	.15	.22	.30	1.88
Moorestown[3]	Delaware	.32	T.				.02	.01			.12	.09			.25				T.	.11				T.					.34	T.		1.90	3.16
Newark[1]	Coast					T.	.10		.01	.04	.01		T.	T.	.04													1.12	.02	.37	T.		1.71
New Brunswick	Raritan	.74					T.	T.		.15	.63	.07			.12													.63	.04	.16	.23		2.77
New Milford[2]‡	Hackensack					.06	.02								.34													.44	.24	.18			1.28
Newton	Delaware	.02				.04	.53		.28						.14													.62	.49	.24	.25		2.61
N. Merchantville	Delaware	.18				T.	T.	T.		.22	.09			T.	.25				T.				T.			.35	1.10	1.90	.27	T.	.93		5.29
Paterson	Passaic																																......
Pemberton	Delaware	.79					.05			.10		.20			.31				.24				T.					.89	.09	.03	1.08		3.78
Phillipsburg	....do					.54	.04		T.				T.	T	.29										T.			1.03	.20	.03	.45		2.58
Plainfield	Raritan					T.		.37	T.	T.	.03		T.		.09											T.		.71	.03	.20	.39	T.	1.82
Pleasantville[3]	Coast	.58					.20		T.	.03	3.90				.10								.04	.39			.32		.02	.06	.01		5.65
Ridgefield[2]	Hackensack					T.	.09		T.				T.		.32										.12			.37	.31	.97	.08		2.26
Runyon	Coast	.43									.79				.08													.25	.06	.43	.05		2.09
Sandy Hook[1]‡	Coast						.01	T.		T.	.39		T.		.09													.32	.07	.03	T.		0.91
Somerville(near)	Raritan	.09				.06	.02				.02				.11										T.			.81	1.33	.22	.13		2.79
Sussex	Hudson																																......
Toms River	Coast	.27				.04				.71		.06			.22				.07				.11					.09	.05	.04	.04	.03	1.73
Trenton[1]‡	Delaware					T.	.01				.07		T.	T.	.24										T.			.67		.04	.01		1.04
Trenton No. 2[2]	....do					T.	T.				.06		T.		.23										.06			.73		.06	.04		1.18
Tuckerton	Coast	1.42						.19		2.91					.26				.36				.38		.04	.02		.04	.03				5.65
Vineland	Maurice	.48					.09								.07								.04	.11					.11	.01			0.91
Woodcliff Lake[2]‡	Hackensack					.04	.03								.13							.08			.36			.58		.06			1.28
Woodstown	Delaware																																......
New York, N. Y[1]‡	Coast						.01		T.		T.		T.	T.	.05													.26	.01	.10	.01		0.44
Phila., Pa[1]‡	Delaware					T.	.03	.01	T.	.14	.02			T.	.19				.01		T.				T.			.14	.04	.16	1.45		2.19

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.224	.256	.208	.192	.128	.128	.192	.208	.160	.224	.208	.256	.080	.224	.256	.160	.192	.224	.240	.128	.176	.160	.192	.160	192	.192	.036	.110	.072	.064	.224	5.466
	Wind movement.	6	9	11	5	7	10	7	7	13	3	6	3	8	6	6	7	7	7	10	8	4	13	12	6	5	7	17	11	13	9	10	258
Pleasantville[3]	Evaporation	.304	.304	.320	.260	.248	.192	.240	.254	....	.320	.320	.256	*	.196	.160	320	.272	.128	.192	.144	.120	.038	.224	.208	.128	.288	.180	.188	.202	.320	.288	6.514
	Wind movement.	48	60	36	86	111	84	67	102	58	39	45	39	85	71	3	88	51	37	31	39	70	72	46	*	102	42	70	58	80	37	51	1808
Runyon	Evaporation	.250	.240	.240	.255	.240	.240	.210	.240	.240	.370	.240	.210	.210	.190	.220	.240	.240	.240	.240	.180	.180	.180	.240	.240	.210	.260	.070	.220	.130	.050	.240	6.755
	Wind movement.	33	22	12	15	43	32	60	46	22	24	18	10	16	14	22	18	30	23	27	20	23	40	30	23	16	22	21	22	23	12	32	771

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for July, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	84	87	76	77	77	79	80	76	76	87	74	87	74	78	82	74	77	77	74	74	71	69	81	78	86	81	80	80	80	84	88	79.0
	Minimum	67	65	60	68	70	70	68	66	65	65	64	61	65	64	64	58	61	65	63	62	65	62	57	68	71	70	71	71	72	74	74	66.0
Belleplain	Maximum	82	85	84	88	84	86	90	91	86	90	82	87	85	87	85	80	83	79	81	78	73	71	82	88	89	92	86	....	86	92	90	84.7[a]
	Minimum	66	56	52	58	67	68	70	72	74	70	60	56	54	68	60	51	51	62	56	55	56	62	53	64	69	64	70	....	70	70	70	62.5[a]
Belvidere	Maximum	84	79	86	90	80	82	91	93	89	88	82	86	87	90	81	77	83	82	87	83	....	74	89	89	98	94	....	87	85	83	90	85.8[b]
	Minimum	63	54	47	56	65	69	66	69	71	73	57	54	56	63	57	49	59	49	54	58	59	54	45	66	63	65	69	69	70	70	70	60.9
Boonton§§	Maximum	81	78	82	87	84	85	88	91	92	89	81	82	78	88	80	88	81	84	87	83	79	78	90	90	95	90	83	85	82	82	85	84.8
	Minimum	65	54	46	52	59	68	66	70	72	67	55	59	52	58	60	51	60	52	54	54	57	52	46	55	63	65	69	70	69	71	71	60.1
Bridgeton	Maximum	85	76	84	81	85	88	93	94	87	91	83	89	85	89	86	88	84	80	91	86	80	86	82	92	95	92	90	90	90	92	88	87.2
	Minimum	65	58	56	61	69	70	70	73	75	70	61	59	60	68	61	64	65	62	58	59	59	57	54	66	71	68	71	70	71	71	69	64.9
Burlington	Maximum	82	84	84	89	84	87	91	93	88	93	88	88	88	90	88	82	85	83	86	86	80	74	88	92	97	93	83	86	84	85	86	86.7
	Minimum	67	59	55	59	65	68	69	72	72	67	60	58	59	67	62	52	55	62	66	61	58	61	50	64	68	67	68	72	71	73	68	63.7
Canoe Brook§§	Maximum	82	80	81	87	85	84	89	93	89	90	81	84	78	89	81	78	80	83	84	81	77	71	88	92	94	90	81	83	82	81	86	83.9
	Minimum	62	50	42	50	62	68	66	66	69	61	54	49	48	60	55	44	45	47	48	50	54	49	41	56	59	63	69	70	69	69	71	57.0
Charlotteburg	Maximum	84	88	80	86	86	83	87	90	89	89	88	82	81	88	86	77	80	85	85	85	79	78	89	93	94	92	87	82	81	77	84	85.0
	Minimum	60	46	39	46	57	65	64	68	69	61	51	46	47	56	52	42	43	43	48	60	52	45	38	57	59	59	68	66	68	67	67	55.1
Clayton	Maximum	82	84	85	90	87	86	91	94	89	90	80	87	85	86	83	79	84	80	85	85	78	71	84	91	94	93	89	86	86	90	85	85.8
	Minimum	66	56	53	68	67	67	70	71	72	70	60	59	57	66	61	53	56	62	56	57	57	59	53	63	69	65	69	70	70	70	67	63.2
Dover	Maximum	79	77	80	87	80	81	87	90	87	87	80	82	76	87	79	75	80	80	82	79	76	71	86	90	92	87	....	80	79	78	84	81.7[a]
	Minimum	62	53	46	51	64	68	67	70	72	65	56	54	52	62	59	49	48	50	53	56	57	53	47	64	64	64	....	71	70	69	71	59.6[a]
Elizabeth	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Flemington	Maximum	86	83	90	93	85	87	92	98	92	93	84	87	81	91	89	80	87	88	88	85	82	77	93	95	98	96	91	86	83	84	89	88.2
	Minimum	64	58	50	57	64	67	70	72	73	66	56	56	56	64	57	51	55	57	57	60	58	58	48	65	64	66	70	72	72	72	72	62.2
Freehold	Maximum	86	86	82	88	88	86	88	94	90	93	82	85	79	89	88	82	83	83	85	82	78	71	83	93	92	91	84	83	81	85	88	85.4
	Minimum	65	51	63	57	65	68	69	71	74	64	57	57	55	67	60	52	58	58	57	58	58	60	51	58	68	68	71	71	70	70	68	62.5
Hammonton	Maximum	85	84	85	88	85	86	89	94	88	91	82	87	86	88	87	79	84	80	86	83	77	74	86	92	97	94	87	86	87	91	86	86.3
	Minimum	60	57	49	59	66	58	69	71	69	70	58	57	54	67	60	51	65	60	54	54	55	59	50	62	67	65	69	69	70	70	67	61.6
Hightstown	Maximum	81	79	82	88	87	87	89	93	89	90	81	85	76	88	81	78	83	78	81	82	75	70	89	90	96	96	79	84	80	81	85	84.0
	Minimum	64	57	50	55	65	....	....	....	....	....	....	....	55	68	59	52	57	57	60	58	55	58	49	65	67	67	70	71	71	72	69	61.3[g]
Indian Mills	Maximum	83	84	85	88	85	87	91	94	83	91	82	88	79	88	81	79	83	81	86	85	76	71	86	91	97	93	84	87	85	89	86	85.4
	Minimum	66	54	47	58	66	68	70	72	70	71	58	56	54	67	60	50	52	60	52	53	55	59	49	63	67	64	70	71	71	72	68	61.7
Jersey City	Maximum	84	82	81	85	86	83	87	94	92	93	84	86	84	86	82	81	83	82	83	80	76	74	85	86	94	86	81	83	81	82	85	84.2
	Minimum	68	66	58	63	72	71	72	74	76	72	62	66	61	68	64	63	63	63	60	63	66	61	57	68	69	71	73	73	73	73	74	67.2
Lakewood	Maximum	84	84	80	87	88	87	87	94	88	94	83	87	83	88	85	80	85	80	83	82	77	72	87	92	94	91	85	82	82	85	87	85.3
	Minimum	65	57	50	57	64	69	69	72	71	67	57	55	53	66	60	50	56	59	59	58	55	60	53	62	68	65	72	72	72	72	69	62.4
Lambertville (near)	Maximum	81	78	82	87	84	83	89	93	90	90	80	85	80	86	81	79	82	83	85	81	79	82	87	91	96	93	82	83	92	85	86	85.0
	Minimum	60	62	56	58	66	68	69	70	68	67	57	56	55	65	60	54	56	57	60	61	59	58	50	65	67	68	67	70	70	70	68	62.5
Layton (near)	Maximum	81	78	82	87	81	86	90	91	90	88	81	83	80	89	79	76	82	85	85	83	81	81	91	92	97	92	82	81	83	78	87	84.6
	Minimum	67	51	42	50	62	68	68	69	64	60	65	52	47	58	52	45	42	44	48	50	58	65	39	60	57	61	67	66	67	70	62	57.3
Little Falls§§	Maximum	83	80	83	88	86	86	90	94	91	90	84	85	78	90	82	78	83	85	84	82	78	80	90	93	93	90	83	85	83	88	88	85.4
	Minimum	63	55	48	55	65	67	68	73	72	67	58	54	52	60	58	52	49	52	54	55	59	52	49	59	64	66	68	68	70	70	71	60.4
Long Branch	Maximum	82	82	75	83	83	81	86	94	86	89	81	86	75	87	82	78	81	75	77	78	75	70	83	85	88	84	78	81	78	81	88	81.7
	Minimum	67	60	54	59	69	70	70	74	74	66	62	59	65	67	67	54	59	60	62	62	58	62	57	65	68	70	72	72	72	72	72	65.2
Long Valley	Maximum	82	78	84	91	82	83	90	92	91	90	83	84	81	80	80	76	83	85	85	82	80	76	89	91	97	92	81	81	84	81	....	84.5[a]
	Minimum	62	50	43	50	58	62	65	65	70	61	56	48	53	60	56	49	45	48	50	52	54	51	39	56	62	62	69	68	70	70	70	57.2
Moorestown	Maximum	82	81	84	88	83	86	90	92	86	90	79	86	78	87	80	77	83	80	84	81	77	70	86	91	94	93	84	85	85	86	84	84.3
	Minimum	59	58	52	59	68	69	70	72	72	70	58	60	56	67	60	53	56	63	56	57	57	59	49	65	70	67	71	71	70	73	69	63.1
Newark	Maximum	83	81	81	85	86	82	88	94	90	92	82	85	77	90	83	78	82	83	83	80	76	74	86	90	93	87	82	82	83	82	88	84.1
	Minimum	66	60	57	61	70	71	71	72	73	69	63	60	60	69	64	58	62	62	61	61	63	61	55	64	69	70	71	73	72	72	72	65.5
New Brunswick	Maximum	84	80	80	88	85	85	88	93	88	91	81	83	81	87	84	77	82	82	82	80	78	73	86	90	93	91	83	83	80	80	85	84.0
	Minimum	65	59	51	57	65	65	70	72	73	61	58	59	57	66	62	54	57	58	60	60	58	59	51	65	67	67	68	72	71	71	70	62.8
Newton	Maximum	79	75	79	86	81	85	87	89	86	86	80	80	78	86	79	75	80	84	85	83	81	85	82	87	95	90	81	80	76	75	81	82.5
	Minimum	60	54	49	55	65	66	66	69	69	66	53	55	57	62	55	49	54	51	55	54	57	55	45	65	63	64	66	65	67	68	68	59.6
N. Merchantville	Maximum	84	85	85	90	83	89	93	94	88	93	83	88	80	90	82	81	85	80	89	85	80	73	89	94	93	93	87	89	87	86	87	86.6
	Minimum	67	62	55	62	69	70	71	74	75	69	61	63	61	67	63	58	60	64	61	62	59	61	55	66	71	69	71	71	71	72	70	65.5
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	85	84	83	89	85	86	91	93	91	92	82	86	85	89	89	81	84	83	84	83	78	74	88	93	96	93	89	84	86	87	85	86.4
	Minimum	66	58	52	60	66	68	70	71	73	72	58	56	57	67	52	53	56	60	57	58	58	51	51	64	67	67	71	71	70	70	69	62.5
Phillipsburg	Maximum	86	83	85	92	86	86	91	93	92	90	84	88	82	90	85	79	86	85	88	83	80	77	89	86	95	94	83	86	82	82	90	86.4
	Minimum	64	55	50	56	56	70	68	71	71	63	57	54	57	65	56	51	52	54	55	59	58	55	46	67	64	65	70	70	70	72	72	61.1
Plainfield	Maximum	84	82	82	89	85	87	88	95	90	93	84	86	80	90	85	78	84	83	86	82	78	76	90	94	96	91	83	82	80	82	87	85.5
	Minimum	64	57	52	56	64	68	69	70	72	67	58	55	56	65	61	52	54	56	59	59	58	58	50	62	65	67	70	71	70	70	70	62.1
Pleasantville§§	Maximum	86	88	78	81	81	83	84	87	82	92	78	88	83	83	82	78	85	80	80	79	74	71	84	84	90	85	82	84	82	86	90	82.9
	Minimum	65	57	52	63	64	64	70	69	68	68	60	58	56	66	63	51	52	61	58	57	55	55	54	63	70	66	71	73	72	74	72	62.8
Ridgefield	Maximum	82	76	82	87	84	82	86	92	88	90	82	83	76	88	81	79	81	84	84	82	79	74	87	89	92	87	83	84	82	81	86	83.6
	Minimum	64	60	52	58	69	71	70	72	73	70	59	59	57	69	61	54	56	58	58	59	63	59	53	66	67	70	73	73	72	71	73	64.2
Runyon	Maximum	86	85	81	86	87	86	89	93	92	93	87	86	84	89	84	86	84	83	83	81	79	78	88	92	93	91	86	84	82	82	87	86.0
	Minimum	62	48	41	48	60	79	68	72	75	60	61	48	49	51	48	49	51	52	54	51	49	56	56	56	63	61	71	71	70	70	72	58.8
Sandy Hook	Maximum	81	81	75	82	83	80	84	91	85	90	80	83	73	82	80	77	80	76	76	77	73	70	82	82	88	82	78	79	77	80	85	80.4
	Minimum	68	66	64	64	72	71	70	74	74	66	65	65	64	69	65	63	63	64	65	65	65	63	60	67	70	70	72	72	73	73	73	67.6
Somerville (near)	Maximum	83	80	83	88	83	83	89	93	92	92	83	86	80	90	83	79	85	84	88	83	78	76	89	93	95	93	84	82	82	82	85	85.4
	Minimum	63	58	52	58	66	67	69	72	72	65	53	58	53	65	58	52	55	58	58	59	57	56	55	64	65	67	67	71	70	70	70	62.0
Sussex	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Trenton	Maximum	82	82	82	86	83	85	88	92	88	91	81	86	79	88	80	76	82	80	83	81	78	71	86	88	95	90	80	82	84	84	85	83.8
	Minimum	66	63	58	62	69	70	70	73	73	67	61	63	63	67	63	59	61	62	62	62	60	60	55	67	70	71	70	72	71	72	70	65.5
Trenton No. 2	Maximum	83	83	83	88	85	86	90	94	90	93	82	87	80	90	82	78	83	82	87	85	81	74	87	90	96	92	83	85	86	85	86	85.7
	Minimum	65	59	54	60	68	69	70	72	73	68	57	58	58	67	61	54	57	58	60	59	57	59	51	66	68	69	71	71	70	72	69	63.5
Tuckerton	Maximum	80	85	83	84	83	82	85	88	78	90	82	86	80	83	80	78	80	80	78	75	72	71	79	82	90	85	83	80	82	85	88	81.8
	Minimum	65	60	52	60	62	68	70	70	68	68	60	55	56	68	60	51	56	60	57	58	56	60	54	65	68	66	70	70	71	72	70	62.8
New York, N. Y.	Maximum	80	78	78	84	84	81	86	89	88	88	80	82	74	85	80	75	80	81	81	78	72	73	85	86	90	84	79	78	79	77	85	81.3
	Minimum	66	66	61	62	70	69	70	73	74	70	62	65	65	68	63	62	62	66	64	65	66	61	58	66	71	71	71	72	72	71	72	66.9
Philadelphia, Pa.	Maximum	82	83	83	88	81	86	88	90	88	91	81	88	77	88	80	77	82	79	84	82	77	71	85	88	94	91	84	84	84	86	86	84.1
	Minimum	69	68	64	65	71	71	72	75	75	70	64	68	69	68	66	63	64	68	63	66	65	64	60	69	73	72	71	72	72	72	72	68.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. AUGUST, 1939. No. 8.

NOTE.—The price of this publication is 25 cents per year (not in stamps). payable to the Superintendent of Documents. Government Printing Office, Washington. D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

For the State as a whole, this was one of the five wettest Augusts of record in New Jersey. There were several rain periods of importance. The salient feature of the weather for August, however, was the heavy rainfall over the southern half of the State on the 19th and 20th. These rains were produced by a tropical storm which had reached the Gulf coast nearly a week previous, moving slowly northeastward and causing heavy rains in the Gulf and Atlantic States. The rain did not begin in New Jersey until the early morning of the 19th. It continued most of that day and following night until midnight or early morning of the 20th, the rate being heavy much of the time. A number of stations broke previous records for heavy 24-hour falls. The amounts from this storm at certain stations(falling within 24 hours or in a few cases slightly longer) were as follows: Belvidere 8.61; Vineland 5.89; Atlantic City 5.15; Pleasantville 10.17; Hammonton 8.18; Egg Harbor City 9.80; Indian Mills 6.05; Pemberton 5.75; Clayton 5.60; Toms River 6.09; and Tuckerton 14.81 inches. Amounts recorded at gages of the Soil Conservation Service were: Pemberton (near) 6.35; Wrightstown 6.70; and New Lisbon 9.29. At Chatsworth, about 20 miles northwest of Tuckerton, the president of the local Cranberry Association reported an unofficial measurement of 13.50 inches. Observers at Tuckerton and elsewhere reported that the heavy rainfall was accompanied by several thunderstorms. A disastrous train wreck occurred near Chatsworth about 4:30 P. M. of the 19th, evidently due to weakening of the track by the heavy rain Seventeen persons were reported injured. There was some damage to highways as well as railroads by flooding, though the flat terrain of most of the region affected is not conducive to severe soil erosion. The 14.81 inches at Tuckerton is the heaviest 24-hour fall of record in New Jersey.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 75.3°, which was 3.5° above normal. The highest temperature was 98° at Elizabeth on the 9th, and the lowest, 50 , at Charlotteburg, Elizabeth, and Runyon on the 6th, 31st and 5th, respectively. The greatest daily range of temperature was 40° at Charlotteburg on the 17th. The highest monthly mean temperature was 77.8° at Bridgeton, and the lowest, 71.5° at Newton.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 46 stations, was 7.03 inches, which was 2.28 inches above normal. The greatest monthly precipitation was 19.38 inches, at Tuckerton, and the least, 2.93 inches at Phillipsburg. The greatest amount of precipitation in any 24 consecutive hours was 14.81 inches at Tuckerton on the 19-20th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +2.27 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 3, 4, 8, 9, 13, 14, 16, 17, 18, 19, 21, 24, 25, 29, 30. DENSE FOG: 4, 12, 25, 26. HAIL: 18.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

THE LIBRARY OF THE
OCT 30 1939
UNIVERSITY OF ILLINOIS

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.96	30.26	12	29.65	30	14.6	52	se.	19	83	74	82	59
Long Branch	29.96	30.30	12	29.69	30	10.2	36	ne.	29	84	56	70	53
Ridgefield	29.95	30.29	12	29.74	4	.	....	....	....	....	....	....	....
Sandy Hook	29.96	30.28	12	29.70	30	12.3	42	ne.	29	81	66	77	65
Trenton	29.96	30.28	12	29.75	30	7.6	26	s.	3	83	55	68	55

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	......	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5.32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71 2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	9
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.6	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	10.53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	75.2	100	45	6.82	0	14	14	7	10
1938	75.4	100	41	3.09	0	8	18	8	5
1939	75.3	98	50	7.03	0	11	11	9	11
Period	71.8	108	33	4.75	0	10	13	11	7

Climatological Data for August, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	76.4	+3.9	92	1	59	30	20	8.95	+4.46	5.15	0	9	12	3	16	s.	U. S. Weather Bureau
Belleplain	Cape May	49	45	76.0	+3.9	94	13	53	6	35	16.07	+11.47	7.00	0	9	13	9	9	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	74.3	+3.5	96	1	57	5†	32	3.68	−0.89	0.90	0	10	13	10	8	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	73.6	+3.5	92	1	55	6	34	3.73	−0.96	1.95	0	11	14	1	16	ne.	John Kline.
Bridgeton	Cumberland	30	56	77.8^{a}	+3.2	97	13	56	30	33	7.45	+2.78	4.28	0	7	16	8	7	sw.	Bennett K. Matlack
Burlington	Burlington	12	§53	76.8	+2.4	95	9†	58	30	30	6.88	+1.08	4.12	0	12	12	8	11	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	8.41	....	4.05	0	9	6	12	13	se.	Central Airport, Inc
Canoe Brook	Essex	180	8	72.8	....	93	9	52	6	35	4.94	....	2.32	0	11	15	6	10	se.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	72.4	+4.9	89	1†	50	6	40	5.11	+0.61	2.48	0	11	13	7	11	s.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	4.58	−0.07	2.02	0	11	18	8	5	....	Paul Molitor, Sr.
Clayton	Gloucester	120	26	75.2	+2.1	94	8	55	26	34	9.56	+4.74	5.60	0	7	9	4	18	s.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	5.00	+0.35	2.00	0	12	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	72.2	+3.1	89	1†	56	6†	29	5.83	+1.33	2.16	0	13	6	11	14	......	William C. Harris
Egg Harbor City	Atlantic	63	17	......	......	......	......	......	......	....	13.60	....	9.80	0	12	....	....	....	......	Chas. E. Hall.
Elizabeth	Union	34	60	77.0^{a}	+3.6	98	9	50	31	33	4.32	−0.01	1.83	0	12	9	8	14	e.	Union County Park Comm
Flemington	Hunterdon	140	§53	76.4	+4.1	96	13	58	6	32	4.67	+0.15	1.12	0	12	16	8	7	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	75.9	....	95	9	56	30	29	5.68	+1.09	2.80	0	10	22	2	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	76.0	....	96	9	54	6	37	12.06	+7.18	7.55	0	11	12	9	10	sw.	J. G. Wilson.
Hightstown	Mercer	110	46	75.5	+3.6	95	9†	58	6†	31	4.93	+0.09	3.07	0	13	11	11	9	ne.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	75.9	+3.5	94	9†	54	6	37	9.09	+3.56	6.05	0	11	8	15	8	s.	Edward Entwistle.
Jersey City	Hudson	81	41	77.4	+3.8	95	9	60	30	23	4.94	+0.61	2.92	0	11	6	12	13	s.	Jersey Journal.
Lakewood	Ocean	54	35	75.6	+4.7	96	13	57	6	32	8.00	+2.81	4.55	0	12	12	6	13	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	75.1	+3.1	97	1	55	31	35	6.58	+1.78	1.70	0	11	13	11	7	e.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	71.8	+3.6	92	1	52	6	33	4.05	+0.04	1.47	0	9	11	5	15	sw.	A. M. Depue.
Little Falls	Passaic	157	§36	74.4	+3.2	95	1†	57	2†	32	5.36	+0.40	2.46	0	14	9	15	7	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	75.7	+4.9	95	9	60	29	26	8.59	+3.11	4.74	0	12	7	14	10	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	72.8^{a}	....	95	13	53	6	35	4.82	....	1.54	0	10	9	16	6	sw	R. H. Johnson.
Moorestown	Burlington	62	76	75.5	+3.0	94	9†	58	30	28	6.54	+1.17	3.89	0	12	11	8	12	sw.	Japanese Beetle Laboratory
Newark	Essex	10	40	76.5	+3.8	94	1†	61	30	28	3.83	−1.72	2.18	0	11	6	11	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	75.6	+3.6	95	9	58	6	30	4.27	−1.13	2.44	0	10	6	11	14	se.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	5.56	+1.01	1.52	0	11	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	71.5	+1.2	90	9	54	5†	27	2.94	−1.41	0.83	0	13	8	14	9	sw.	Irving J. Keru.
N. Merchantville	Camden	63	2	77.4	....	97	13	57	30	28	8.10	....	4.61	0	10	10	11	10	ne.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	76.6	....	93	9†	56	6	32	8.02	....	5.71	0	10	12	8	11	se.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	75.5	+3.8	95	1	58	23	31	2.93	−1.47	0.92	0	14	13	11	7	......	Town Engineer.
Plainfield	Union	120	51	75.8	+4.4	95	9†	58	6	31	4.80	−0.30	1.70	0	13	8	9	14	sw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	76.2	+4.1	93	1	55	6	31	14.70	+10.04	10.17	0	12	16	6	9	se.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	75.4	+4.7	94	9	60	30	27	4.13	−0.78	2.25	0	13	11	12	8	sw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	73.6	+1.7	95	1†	50	5	39	4.71	−0.51	2.77	0	11	15	12	4	s.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	76.6	+4.1	91	9	61	30	18	7.31	+2.33	4.27	0	12	7	10	14	s.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	56	74.4	+2.2	93	13	58	30	28	4.93	+0.01	1.31	0	11	9	11	11	s.	Richard H. Rogers.
Sussex	Sussex	450	44	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Thomas R. Trudgen.
Toms River	Ocean	33	18	......	......	......	......	......	......	....	12.37	....	6.09	0	10	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	67	76.2	+3.2	93	9	58	30	27	7.55	+2.80	4.38	0	12	6	7	18	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	76.2	......	95	9	58	30	29	7.63	....	3.51	0	12	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	75.4	+3.0	93	1†	58	30	24	19.38	+14.08	14.81	0	10	16	3	12	se.	John H. Brown.
Vineland	Cumberland	109	11	......	......	......	......	......	......	....	8.96	....	5.89	0	10	....	....	....	......	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	3.73	−0.49	0.92	0	10	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	5	......	......	......	......	......	......	....	5.31	....	3.20	0	6	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	69	76.8	+3.7	91	21	60	30	20	4.37	+0.04	3.00	0	12	6	14	11	s.	U. S. Weather Bureau.
Philadelphia, Pa.	......	26	68	77.8	+3.0	93	13	58	30	20	6.90	+2.28	3.76	0	13	9	9	13	s.	U. S. Weather Bureau.
For the State	......	......	....	75.3	+3.5	98	9	50	5†	40	7.03	+2.28	14.81	0	11	11	9	11	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-10-24-39-900

Daily Precipitation for August, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.			T.				.46		.02					.01				5.15					T.	.58	.08		.11	1.01	1.53	T.	8.95
Belleplain	Tuckahoe								.65						3.50					7.00	1.61					.25	.84	T.	T.	1.28	.86	.08	16.07
Belvidere	Delaware			.82	.40				.27	.16				.31	.13					.90					.40	.20				T.	T.	.09	3.68
Boonton[3]	Passaic				.04	.23			.01	.03	.10				.24						1.95	.41				.20					.05	.47	3.73
Bridgeton	Delaware		T.					.27												4.28					.03	.32	.33			1.04	1.18		7.45
Burlington	do			.58	.03				.23						.30		.12		.01	4.12	.09				.57	.12				.20	.51		6.88
Camden[2]	Delaware	.01		.01	T.	T.			.40	T.					.57			.11	T.	4.05					T.	.12	T.		T.	.71	2.43	T	8.41
Canoe Brook[3]	Passaic				1.22	.23				.14					.43			.03			2.32	.03				.07	.01				.36	.10	4.94
Charlotteburg	Passaic				.20	.36					.07				.09			.12		.38	2.10	.01				1.27					.25	.26	5.11
Chatham[3]	do				.92	.14			.03	.12					.59			.08			2.02	.08	T.			.11				T.	.16	.33	4.58
Clayton	Delaware	.15	.13					2.22												5.60				.74				.14		.58			9.56
Culvers Lake	do			.43	.37	.10			.10	.08					.29					.22	1.27	02			2.00	.02					T.	.10	5.00
Dover	Passaic				.39			.01	.04	.10				.64	.04			.14		1.35	.81	.15			1.50						.27	.39	5.83
Egg Harbor City	Mullica	T.			.15				.78							.01	.05	.01		9.80						.40	.13		.01	1.40	.85	.01	13.60
Elizabeth	Coast			.22	.48	T.			.10						.16		T.			.72	1.83	.02				.08	.01			.18	.25	.27	4.32
Flemington	Raritan			.26	.20				.72						.25				.75	.70	1.07	.05			.19	T.				.15	.24	.09	4.67
Freehold	do				.42				.08						.19			T.		2.80	.87				.01	.07	T.	T.		.40	.72	.12	5.68
Hammonton	Mullica							T.	.95						.20		.22	T.		7.55	.63				.29	.22	.02			.47	1.49	.02	12.06
Hightstown	Raritan			.35	.01	.03			.11	.10					.27			T.		2.96	.11				.02	.22				.20	.51	.04	4.93
Indian Mills	Mullica			.05	.03				.69	.02					.01		T.	T.	.04	6.05	T.				.87	.15	T.			.56	.62	T.	9.09
Jersey City	Coast			.12	.70				.07						.13		T.			.78	2.14				T.	.12	.11			.05	.21	.51	4.94
Lakewood	Metedeconk				.36				.21						.02		.10			2.80	1.75	.30			.03	.15				.75	1.36	.17	8.00
Lambertville(nr.)	Delaware			.13	.17				.94						.19				.18	1.70	1.13				.37	.16				.13	1.48	T.	6.58
Layton(near)	do			.35	1.47				.13					.06	.35					.55	.69				.26	.19							4.05
Little Falls[3]	Passaic				.83	.12			.18	.01	.10				.09		.10	T.			2.46	.02	.10			.35	.23				.52	.25	5.36
Long Branch[2]‡	Coast	T.			.58				.07	.01					.03			T.		4.74		.70			T.	.06	.01		.01	.71	1.26	.41	8.59
Long Valley	Raritan			.12	.16					.12				.78				.75			1.54	.12			.65					.06	.52		4.82
Moorestown[3]	Delaware				.03	.05			.52	.01					.21			T.		.38	3.89					.49	.05			.10	.75	.06	6.54
Newark[1]	Coast			.80	.02				.08					.03	.12		T			2.18		.02			T.	.05	T			.11	.21	.21	3.83
New Brunswick	Raritan			T.	.16				.22						.11					1.10	1.34					.09	.03			.22	.78	.22	4.27
New Milford[2]‡	Hackensack			.06	1.02					.20				.03			.05	.52		1.17	.43				1.52						.25	.31	5.56
Newton	Delaware			.80	.03	.02			.11		T.			.03	.14					.41	.60	.04			.46	.04					.16	.10	2.94
N. Merchantville	Delaware	T.		.04	T	.06			.23						.32		T.	T	.21	4.61	T.				.06	.09				.57	1.91	T.	8.10
Paterson	Passaic																																
Pemberton	Delaware			.28	.24	T.			.76						.10					5.71	.04				.01	.10				.28	.50		8.02
Phillipsburg	do			.15	.22				.45	.12				.67	.25		T.			.58	.10	.12			.05	.09				.05	.04	.04	2.93
Plainfield	Raritan			.09	.34	.12			.16					.02	.21				T	1.70	.33				.55	.08				.09	.91	.20	4.80
Pleasantville[3]	Coast		T.						.19	.31						.01				.20	9.97		.33			.08	.33	.05		.84	2.02	.37	14.70
Ridgefield[2]	Hackensack			.17	.39				.04	.03				.03			.38		.01	1.20	1.05	T.			.10	T.				.09	.49	.15	4.13
Runyon	Coast			.13	.15				.26		.04				.16					.72	2.05					.06				.31	.67	.16	4.71
Sandy Hook[1]‡	Coast			.05	1.26				T.					.05	.08		.05	.08		4.27		T			T.	.29	.01			.15	.65	.37	7.31
Somerville(near)	Raritan			.77	.48	T.			.22						.36					.95	1.31	.05			.13					.05	.58	.03	4.93
Sussex	Hudson																																
Toms River	Coast					.07			2.30											4.06	2.03		.95			.15	.25			1.17	1.14	.25	12.37
Trenton[1]‡	Delaware			.35	.15				.07	.03					.16		.04		2.00	3.51					.15	.04				.21	.84	T.	7.55
Trenton No. 2[2]	do			.44	.07				.08	.12					.14		.07		1.46	3.51					.34	.07				.24	1.09	T.	7.63
Tuckerton	Coast				.01				.45											†	4.42	.71				.38	.08			.72	2.14	.08	19.38
Vineland	Maurice		.01						.95										T.	.77	5.12					.18	.53	.04		.15	.77	.44	8.96
Woodcliff Lake[2]‡	Hackensack			.04	.16					.45				.03				.03		.88	.50				.92						.46	.26	3.73
Woodstown	Delaware	.06		.05					1.22					T.						3.20						T.				.60	.18		5.31
New York, N. Y[1]‡	Coast			.05	.14				.07					.01	.07		.13			3.00	T.				T.	.07	.39			.07	.19	.18	4.37
Phila., Pa[1]‡	Delaware	.06		.41	T.				.14	T.					.43		.06	.18	.11	3.73		T			.05	.05				.53	1.14	.01	6.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch. † 10.39

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.256	.176	.164	.102	.256	.128	.128	.044	.224	.224	.192	.192	.126	.192	.032	.126	.128	.144	.080	.174	.096	.256	.160	.086	.058	.096	.128	.096	.024	.004	.028	4.120
	Wind movement	16	1	2	4	2	1	2	1	10	3	3	7	8	2	2	3	2	7	28	6	1	3	2	7	0	1	2	7	7	3	0	143
Pleasantville[3]	Evaporation	.192	.192	.192	.128	.192	320	.318	.150	.288	.304	.288	.288	.304	.154	.128	160	.160	.216	....	.224	.202	.240	.192	.176	.058	.050	.240	.520	.068	.050	.128	6.122
	Wind movement	49	44	85	54	*	71	59	48	63	39	40	72	89	39	34	37	51	79	133	38	52	21	28	28	19	42	28	111	165	104	47	1769
Runyon	Evaporation	.240	240	.190	.210	.180	.160	.240	.130	210	.250	.240	.180	.240	.160	.240	.210	.180	.120	*	.370	.210	.210	.210	.210	.060	.120	.120	.120	.010	.070	.100	5.430
	Wind movement	22	34	24	20	14	15	9	6	25	25	14	37	34	14	15	18	14	16	26	49	25	15	22	12	17	19	20	28	42	85	34	750

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for August, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City	Maximum	92	81	82	80	80	81	83	81	84	89	80	84	84	82	84	84	85	84	78	81	85	87	83	85	82	78	76	75	72	67	73	81.3
	Minimum	72	73	75	74	69	68	69	68	75	76	68	74	76	75	74	75	75	75	72	73	75	73	69	75	72	72	71	70	60	59	62	71.4
Belleplain	Maximum	92	89	93	85	88	88	90	85	93	89	89	91	94	91	89	89	89	90	80	90	90	88	86	88	84	80	78	77	74	69	77	86.3
	Minimum	68	65	66	67	64	53	59	68	69	72	62	63	67	67	69	70	69	69	70	69	70	68	58	66	67	67	66	66	62	57	60	65.6
Belvidere	Maximum	96	87	91	82	87	87	85	84	90	87	86	90	93	90	91	90	94	91	70	87	91	87	89	90	84	82	80	78	73	72	71	85.6
	Minimum	64	59	65	64	57	57	62	66	64	62	57	63	65	66	59	67	66	66	67	67	70	64	66	62	66	63	57	60	60	60	61	63.0
Boonton§§	Maximum	92	87	89	81	86	89	89	79	90	86	89	86	91	87	91	88	88	90	76	85	89	87	86	86	83	83	82	80	73	69	70	84.7
	Minimum	68	57	65	64	57	55	60	64	63	62	58	56	63	69	57	61	67	69	68	68	69	64	58	59	63	66	64	62	63	59	59	62.5
Bridgeton	Maximum	93	94	96	83	92	92	93	....	92	91	90	92	97	93	93	96	94	94	81	91	90	88	90	91	91	79	84	69	67	68	78	88.1^{a}
	Minimum	69	70	70	70	68	59	65	69	70	74	65	67	72	74	73	70	70	68	70	68	72	70	62	68	67	68	66	67	59	56	60	67.6
Burlington	Maximum	93	89	90	84	87	89	89	83	95	89	89	90	95	88	90	90	92	93	79	90	91	89	89	89	83	81	81	76	74	68	75	86.5
	Minimum	68	68	68	70	65	59	65	67	69	72	64	65	68	70	67	70	71	70	70	69	72	68	61	66	72	71	66	65	60	58	68	67.0
Canoe Brook§§	Maximum	92	86	91	84	86	87	88	79	93	86	87	86	92	87	91	87	91	89	76	88	90	87	86	85	82	82	80	77	74	70	68	84.7
	Minimum	63	53	63	61	55	52	59	61	63	61	53	59	62	65	57	63	67	66	66	67	69	61	54	59	65	65	55	56	59	58	59	60.8
Charlotteburg	Maximum	89	89	88	85	85	87	88	86	87	87	86	87	89	89	89	88	87	88	87	84	89	89	86	87	83	82	80	78	75	72	69	85.0
	Minimum	66	59	63	76	54	50	55	60	59	64	53	57	59	65	49	55	67	65	66	66	65	57	52	58	60	64	59	55	60	57	55	59.7
Clayton	Maximum	92	89	92	86	90	91	85	94	92	86	86	93	90	89	90	90	90	85	88	90	85	89	90	80	74	69	82	74	70	69	79	85.5
	Minimum	65	68	67	64	56	63	64	68	72	63	65	67	70	68	69	68	67	70	68	70	67	60	65	65	59	55	64	65	59	56	61	64.8
Dover	Maximum	89	84	86	78	83	84	85	75	89	84	84	84	89	83	86	86	83	85	75	82	85	84	83	83	80	81	78	76	72	67	70	81.7
	Minimum	66	58	66	64	57	56	60	66	62	63	58	56	68	67	57	64	70	68	68	67	70	63	58	60	64	67	61	61	62	59	57	62.7
Elizabeth	Maximum	95	90	92	90	93	91	95	81	98	93	91	87	97	95	93	89	94	92	81	93	95	93	93	86	83	85	87	80	74	70	76	88.8
	Minimum	65	61	65	67	68	69	62	64	66	66	60	63	65	69	60	66	70	69	71	68	74	65	....	64	70	70	65	64	61	59	50	65.2^{a}
Flemington	Maximum	95	91	89	85	90	90	90	88	94	90	89	91	96	90	93	94	94	94	74	91	92	90	90	89	82	82	81	78	74	70	73	87.4
	Minimum	69	63	68	66	62	58	63	67	65	66	60	63	68	70	63	70	74	68	69	67	72	67	60	64	69	67	65	64	65	60	60	65.5
Freehold	Maximum	94	91	92	85	88	88	89	82	95	91	88	89	94	88	90	88	91	91	79	90	89	90	89	87	83	79	82	78	71	66	69	86.0
	Minimum	69	62	67	69	63	60	63	68	67	70	60	63	70	68	65	70	71	71	70	70	69	69	61	68	65	69	64	64	60	56	59	65.8
Hammonton	Maximum	93	93	93	86	90	91	93	85	96	94	91	90	95	92	90	88	90	92	79	91	91	90	90	87	79	77	82	76	70	67	75	87.0
	Minimum	65	65	67	70	64	54	61	66	67	72	61	64	68	70	68	69	68	68	70	67	72	67	58	65	66	67	63	63	58	56	60	65.1
Hightstown	Maximum	91	91	91	84	88	86	90	81	95	91	86	93	95	86	91	92	92	94	79	88	91	85	87	84	77	78	79	73	69	68	70	85.3
	Minimum	67	64	67	68	62	58	63	68	67	68	60	62	68	70	65	69	73	67	69	69	73	69	60	64	70	68	64	64	61	58	62	65.7
Indian Mills	Maximum	92	92	91	85	90	91	91	83	94	88	90	89	94	89	91	88	94	92	77	91	92	88	91	88	77	77	82	75	69	67	74	86.2
	Minimum	68	64	69	72	64	54	61	67	69	72	59	64	68	69	66	71	68	69	72	68	72	66	57	65	66	69	64	65	58	58	61	65.6
Jersey City	Maximum	91	88	88	84	89	86	88	81	95	91	86	83	94	91	90	83	86	87	81	88	90	90	88	86	83	82	82	80	76	68	69	85.3
	Minimum	73	71	73	68	66	65	69	71	71	72	67	68	73	71	67	75	74	75	74	71	77	73	67	71	70	69	65	65	65	60	61	69.6
Lakewood	Maximum	93	85	90	86	87	89	89	78	95	89	88	88	96	91	91	87	91	90	81	90	90	90	90	86	84	79	80	75	71	66	70	85.6
	Minimum	66	62	66	71	66	57	61	67	65	70	61	62	66	69	64	68	72	71	74	70	70	67	60	65	70	70	66	64	61	57	57	65.6
Lambertville (near)	Maximum	97	96	90	86	89	95	93	86	94	86	87	89	95	87	90	80	90	91	73	89	90	87	85	85	79	79	80	76	74	70	70	85.7
	Minimum	68	65	68	66	61	60	62	66	67	66	61	64	69	68	64	69	71	69	65	66	69	64	60	68	65	65	63	60	60	57	55	64.5
Layton (near)	Maximum	92	85	87	81	85	85	86	78	88	85	86	85	90	85	88	86	91	89	78	82	87	85	85	85	81	82	80	77	75	69	73	83.6
	Minimum	62	53	62	62	65	52	60	63	63	60	54	58	62	63	56	63	65	62	66	66	67	61	53	59	65	59	53	55	57	57	55	59.9
Little Falls§§	Maximum	95	88	89	83	88	88	89	81	92	88	88	87	95	90	90	87	90	90	80	89	90	89	90	87	84	80	80	78	72	69	69	85.6
	Minimum	68	57	65	64	60	57	62	65	64	63	59	62	65	67	58	63	69	70	70	67	72	65	58	61	66	65	60	60	63	58	59	63.3
Long Branch	Maximum	93	81	86	87	84	84	84	79	95	88	82	84	89	89	85	85	86	86	78	87	86	89	84	83	84	77	78	75	70	69	68	83.1
	Minimum	70	66	72	71	67	61	65	70	69	72	65	64	72	70	67	70	73	72	71	71	74	68	62	67	72	71	70	69	60	62	63	68.3
Long Valley	Maximum	91	85	88	80	87	87	91	78	91	86	87	89	95	87	91	90	90	88	74	86	90	85	86	86	82	84	82	76	75	68	....	85.2^{a}
	Minimum	63	56	63	62	58	53	59	64	60	60	57	55	60	66	55	63	62	65	69	67	68	60	56	58	64	64	55	60	60	58	57	60.5
Moorestown	Maximum	90	88	92	83	85	87	87	81	94	86	87	89	94	85	89	87	90	90	74	92	90	86	87	87	77	79	80	75	70	69	72	84.6
	Minimum	68	66	68	68	62	59	64	68	69	70	61	65	70	70	68	70	70	68	71	68	72	65	60	66	69	70	65	65	64	58	62	66.4
Newark	Maximum	94	86	87	84	88	89	90	81	94	89	86	86	94	90	91	86	90	88	78	89	90	89	90	86	82	81	80	76	69	69	68	85.2
	Minimum	69	68	70	67	65	64	66	69	68	71	65	67	70	72	63	71	73	72	67	70	74	70	64	68	70	69	65	66	64	61	63	67.8
New Brunswick	Maximum	92	88	90	82	87	88	88	83	95	94	87	87	93	91	89	89	91	89	86	87	89	86	87	86	79	80	79	77	62	69	70	85.5
	Minimum	68	64	67	67	62	58	64	67	67	70	60	63	68	70	63	70	71	69	68	66	73	68	62	65	69	69	65	64	61	59	61	65.7
Newton	Maximum	87	81	80	79	81	82	83	80	90	83	83	85	89	84	86	85	87	88	76	79	86	84	82	81	78	81	78	76	81	66	65	81 5
	Minimum	69	57	64	61	54	56	62	65	63	61	57	59	64	65	57	66	66	63	65	64	69	64	57	61	64	61	56	59	64	59	54	61.5
N. Merchantville	Maximum	94	90	92	84	89	90	87	84	95	89	90	91	97	88	90	91	91	91	80	93	92	89	90	90	80	81	82	76	72	68	76	86.8
	Minimum	71	68	70	69	65	62	67	69	69	73	65	68	70	71	70	71	72	69	70	69	73	71	63	68	71	71	66	66	60	57	62	67.9
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	92	92	89	84	88	88	90	84	93	91	89	89	93	91	90	88	90	93	87	92	91	88	89	88	81	78	81	75	72	67	74	86.4
	Minimum	67	66	70	70	64	56	64	68	69	73	62	65	68	69	65	70	72	69	71	69	74	68	61	67	71	71	65	65	61	59	61	66.8
Phillipsburg	Maximum	95	89	91	83	89	88	90	79	90	88	89	89	93	89	91	89	90	92	77	88	90	88	88	87	80	82	83	77	77	70	79	86.1
	Minimum	67	64	68	66	60	60	64	68	66	64	60	62	67	70	60	71	69	69	69	69	71	65	58	63	68	63	63	64	62	62	61	64.9
Plainfield	Maximum	94	88	92	85	89	89	90	79	95	91	87	88	95	92	91	90	93	91	76	90	91	90	90	88	81	82	82	77	73	70	73	86.5
	Minimum	68	62	67	66	61	58	64	66	66	68	61	62	65	70	62	68	72	70	67	68	74	66	60	64	68	69	65	64	60	59	61	65.2
Pleasantville§§	Maximum	93	85	86	84	85	86	86	88	92	91	85	85	90	87	88	86	87	87	80	85	90	91	87	86	84	80	82	75	75	69	73	84.8
	Minimum	67	66	72	73	66	55	61	71	67	73	63	62	70	73	71	71	70	71	76	71	74	70	62	68	69	68	68	68	65	59	60	67.7
Ridgefield	Maximum	91	84	87	82	86	86	89	81	94	87	88	86	92	89	89	86	88	88	77	87	89	89	86	86	79	80	80	77	68	68	68	84.1
	Minimum	70	62	69	66	64	61	65	69	58	68	62	66	71	70	62	69	74	72	68	72	75	70	62	66	69	69	64	64	63	60	61	66.8
Runyon	Maximum	95	91	91	92	89	90	92	83	95	92	88	86	94	89	91	89	91	90	82	89	91	88	92	91	82	80	78	76	69	67	70	86.2
	Minimum	62	52	61	60	50	52	53	63	68	63	53	56	64	64	63	64	78	68	64	66	70	61	58	54	64	62	62	54	62	56	58	60.8
Sandy Hook	Maximum	90	80	83	84	84	82	85	78	91	86	82	81	88	86	84	82	85	83	76	85	84	87	85	82	82	78	78	75	71	70	69	81.8
	Minimum	74	72	73	69	71	70	72	72	73	74	72	72	74	73	72	74	74	74	69	74	74	74	70	72	74	73	70	70	62	61	65	71.4
Somerville (near)	Maximum	92	86	89	81	86	86	88	78	92	87	87	88	93	87	89	89	90	90	76	88	90	87	87	85	81	80	81	76	70	70	72	84.5
	Minimum	67	61	66	65	69	59	63	63	65	65	60	61	65	67	62	68	72	69	68	66	70	67	60	63	66	67	59	59	59	58	60	64.2
Sussex	Maximum	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Trenton	Maximum	92	88	88	82	87	87	87	80	93	86	86	88	93	87	89	88	90	91	75	88	90	86	87	87	79	79	79	75	68	68	72	84.4
	Minimum	70	69	71	69	66	63	67	69	71	71	66	67	71	72	68	72	73	64	69	70	73	71	65	69	72	70	66	66	60	58	62	68.1
Trenton No. 2	Maximum	93	89	90	83	88	88	90	83	95	88	90	89	94	89	91	90	92	93	76	89	90	87	88	88	80	81	82	76	71	67	76	86.0
	Minimum	68	67	70	68	63	59	64	69	70	69	63	63	70	70	65	71	73	68	69	68	72	69	60	65	70	67	64	64	58	58	61	66.3
Tuckerton	Maximum	93	88	88	82	83	83	85	85	93	89	84	85	92	85	86	85	88	89	80	85	87	89	86	85	83	80	78	74	70	66	70	83.7
	Minimum	70	65	70	68	65	60	62	68	70	72	62	63	72	70	71	72	73	71	68	68	70	72	62	68	70	68	68	66	60	58	59	67.1
New York, N. Y.	Maximum	91	84	85	81	85	83	87	78	90	87	86	84	89	89	88	82	89	87	77	87	91	86	88	86	82	82	80	76	70	70	67	83.5
	Minimum	71	69	73	69	67	69	72	71	72	72	68	70	72	71	72	73	74	74	68	72	74	73	70	72	72	70	70	69	65	60	61	70.2
Philadelphia, Pa.	Maximum	92	89	89	83	88	88	88	84	92	88	87	89	93	87	88	89	89	89	76	89	91	86	87	87	77	81	80	76	73	69	75	85.2
	Minimum	72	74	70	71	70	69	70	69	73	75	71	69	73	72	74	73	70	72	70	69	75	74	70	73	73	72	68	68	62	58	64	70.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record.

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. SEPTEMBER, 1939. No. 9.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Near normal temperatures prevailed most of the month. A short and unusual heat wave visited the State on the 8th with temperatures in the nineties on that day at nearly all stations and readings as high as 98°. The last day of the month was also unusually warm for the season. The coolest days were the 18th, 19th and 22d, when readings in the thirties were registered at a number of stations. Light frost occurred at a few stations, mainly on the 19th, but no damage of consequence was reported. Frost and freezing temperatures also were recorded in the cranberry bogs, but without damage to the crop.

Although there was the usual number of days with rain, the amount of rainfall was markedly deficient. being only 42 percent of the normal for September It was well distributed as to time, however, and with the heavy rainfall during August preceding, was sufficient for most needs. The average for the State of 1.49 inches is in marked contrast to that of September last year when 9.67 inches was received. Severe wind and hail occurred during thunderstorms on the 8th, in some sections, particularly in Somerset County, causing considerable damage to corn and fruit. At the close of the month, the advancement of farm work was about normal with wheat sown, potatoes mostly dug and apple picking in progress. The Delaware River continued at low stages during the month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 66.5°, which was 0.6° above normal. The highest temperature was 98° at Phillipsburg on the 8th, and the lowest, 31 , at Layton and Runyon on the 18th and 19th, respectively. The greatest daily range of temperature was 45° at Charlotteburg on the 15th. The highest monthly mean temperature was 69.4° at North Merchantville, and the lowest, 62.6° at Layton and Newton.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 49 stations, was 1.49 inches, which was 2.07 inches below normal. The greatest monthly precipitation was 2.74 inches, at Dover, and the least, 0.53 inch at Indian Mills. The greatest amount of precipitation in any 24 consecutive hours was 1.43 inches at Dover on the 29-30th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is +0.20 inch.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 8, 9, 10, 20, 27, 29, 30. HAIL: 8.
DENSE FOG: 2, 3, 4, 9, 15, 16, 24, 25, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	30.05	30.53	19	29.60	8	13 4	39	se.	27	83	67	76	68
Long Branch	30.05	30.55	19	29.50	8	10.2	38	ne.	8	82	56	73	68
Ridgefield	30.04	30.53	19	29.56	8		....		....	....	....	....	....
Sandy Hook	30.04	30.53	19	29.56	8	12.7	35	n.	18	82	63	74	74
Trenton	30.05	30.54	19	29.54	8	7.7	23	n.	17	85	54	70	71

COMPARATIVE DATA FOR SEPTEMBER.

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Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	......	......	......	......
1886	66.9	95	36	1.13	0	......	......	......	......
1887	61.6	90	30	3.66	0	7	......	......	......
1888	63.1	84	29	7.09	0	12	......	......	......
1889	64.8	90	34	8.36	0	14	......	......	......
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	**109**	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	**23**	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	**0.37**	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	**61.5**	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	**70.5**	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63 2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63.4	98	29	2.63	0	6	19	5	6
1938	63.6	95	30	**9.67**	0	13	12	7	11
1939	66.5	98	31	1.49	0	8	15	9	6
Period	65.9	109	23	3.56	0	8	15	8	7

Climatological Data for September, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	68.6	+1 8	94	8	52	18	27	1.50	−1.15	0.97	0	7	8	15	7	s.	U. S. Weather Bureau
Belleplain	Cape May	49	45	67.6	+1.3	93	8	41	23	38	1.34	−2.04	0.43	......	5	20	6	4	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	65.2	+0.2	97	8	36	22	43	1.61	−2.13	0.70	0	9	16	5	9	.	Miss C. S. Hixson.
Boonton	Morris	280	§49	64.0	+0.5	93	8	35	19	39	1.22	−2.63	0.38	......	11	17	0	13	ne.	John Kline.
Bridgeton	Cumberland	30	56	69.1	+0.7	94	8	47	19†	35	1.12	−2.19	0.61	0	6	18	8	4	se.	Bennett K. Matlack
Burlington	Burlington	12	§53	67.8	+0.1	96	8	40	19	36	2.10	−1 46	0.81	0	6	19	7	4	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	1.14	....	0.37	0	7	11	9	10	sw.	Central Airport, Inc
Canoe Brook	Essex	180	8	63.6	......	93	8	34	18†	39	1.98	....	0.72	......	10	18	6	6	sw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	63.9	+1.8	89	9	29	19	45	2.20	−1.95	1.22	0	9	15	8	7	w.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......		......	......	....	2.06	−2.16	0.67	0	10	18	8	4	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	67.6	+0.6	93	8	43	22	36	0.56	−2 92	0.29	0	3	18	9	3	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	1.69	−2.33	0.43	0	10	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	63.2	+0.8	91	8	36	19	33	2.74	−1.34	1.43	0	10	8	13	9	......	William C. Harris
Egg Harbor City	Atlantic	63	17	......	......	......	......	......	......	....	1.60	....	1.19	0	6	....	....	....	......	Chas. E. Hall.
Elizabeth	Union	34	60	67.6	+0.7	97	8	40	19	41	1.31	−2.30	0.45	0	11	17	3	10	ne.	Union County Park Comn
Flemington	Hunterdon	140	§53	68.0	+1.5	97	8	39	19	41	1.03	−2.61	0.52	0	7	21	5	4	sw.	Hiram E. Deats
Freehold	Monmouth	194	¶35	66.6	......	94	8	40	19	33	1.14	−3.15	0.40	0	8	23	4	3	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	67.7	......	94	8	41	19	35	0.81	−3.40	0.24	0	6	20	5	5	w.	J. G. Wilson.
Hightstown	Mercer	110	46	66.7	0.0	94	8	38	19	37	1.22	−1.99	0.63	0	8	16	11	3	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	66.8	+0.4	95	8	36	19	38	0.53	−2.96	0.20	0	6	13	13	4	s.	Edward Entwistle.
Jersey City	Hudson	81	41	68.6	+1.1	91	8	46	19	26	1.27	−2.13	0.32	0	9	11	11	8	s.	Jersey Journal.
Lakewood	Ocean	54	35	67.2	+2.2	93	8	37	19	37	1.02	−2.02	0.68	0	5	15	8	7	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	52	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	62.6	0.0	94	8	31	18	43	2.46	−1.40	0.60	0	9	12	7	11	s.	A. M. Depue.
Little Falls	Passaic	157	§36	65.7	−1.6	93	8	37	19	37	1.51	−2.17	0.45	0	11	20	5	5	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	66.1	+0.2	94	8	44	19	32	2.08	−1.11	1.02	0	8	10	11	9	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	63.2	......	94	8	32	19	41	2.70	....	0.80	0	8	14	9	7	sw.	R. H. Johnson.
Moorestown	Burlington	62	76	66.5	+0.2	94	8	42	18†	32	1.07	−2.46	0.40	0	8	12	9	9	s.	Japanese Beetle Laboratory
Newark	Essex	10	40	66 8	+0.1	94	8	45	27	32	1 14	−2.55	0.39	0	8	9	14	7	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	66.7	+0.9	93	8	40	19	32	1.81	−1.55	0.53	0	7	16	9	5	se.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	..	......	......	......	....	1.40	−2 68	0.65	......	9	....	....	....	.....	Hackensack Water Co
Newton	Sussex	769	56	62.6[c]	−1.2	90	8	38	18†	41	1.09	−2.67	0.42	0	9	15	9	6	sw.	Irving J. Kern.
N. Merchantville	Camden	63	2	69.4	....	97	8	46	19	33	1.62	....	1.06	0	5	11	13	6	sw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	....	......	......	....	....	....	......	......	....	....	...	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	67.8	......	94	8	40	19	36	0.95	....	0.27	0	7	18	6	6	se.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	66.0	+0.7	98	8	37	19	42	2 50	−0.99	1.40	0	9	15	9	6	......	Town Engineer.
Plainfield	Union	120	51	66.7	+1.2	94	8	40	19	37	2.14	−1.89	1.10	0	8	13	12	5	sw	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	67.2	+1.3	94	8	43	23	34	1.50	−1.47	0.98	......	7	20	6	4	s.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	66.0	+1.1	90	16	42	19	30	2.05	−1.09	0.95	0	10	13	11	6	se.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	64.6	+0.1	93	8	31	19	43	1.55	−2 05	0.51	0	8	16	13	1	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	67 6	+0.1	88	8	53	18	22	1.27	−2.16	0.48	0	8	12	11	7	s.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	66.0	−0.1	94	8	40	18†	33	2.05	−1.67	0.80	0	8	14	11	5	sw.	Richard H. Rogers.
Sussex	Sussex	450	44	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Marshall Hunt.
Toms River	Ocean	33	18	......	......	......	......	......	......	....	0.92	....	0.72	....	4	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	67	67.2	+0.3	95	8	45	19	31	1.48	−1.92	1.22	0	6	11	9	10	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	9	67.1	.	95	8	41	19	34	1.50	....	1.09	0	5	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	66.6	−0.1	95	8	45	19†	33	0.99	−2.27	0.87	0	3	20	4	6'	sw.	John H. Brown.
Vineland	Cumberland	109	11	......	......	......	......	......	......	....	0.72	−2.73	0.31	0	6	...	....	....	......	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	1.33	−2.53	0.61	......	9	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	5	......	......	......	......	......	......	....	0.99	....	0.36	......	7	....	....	....	......	Charles Bishop.
New York, N. Y.	....	10	69	67.4	+0.6	88	8	50	27	23	1.21	−2.18	0.41	0	10	12	9	9	sw.	U. S. Weather Bureau
Philadelphia, Pa	....	26	68	69.2	+1.2	96	8	52	18	30	1.91	−1.23	1.24	0	8	10	14	6	sw.	U. S. Weather Bureau.
For the State	....	....	....	66.5	+0.6	98	8	31	18†	45	1.49	−2.07	1.43	0	8	15	9	6	sw.	

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† On other dates also. § Length of precipitation record: temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y. W. B. O. Philadelphia- 11-16-39-900

Daily Precipitation for September, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast				T.	.19		.08	T.		.13		T.	.12													.01	.96			.01		1.50
Belleplain	Tuckahoe					.43			.12		.28			.11														.40					1.34
Belvidere	Delaware					.21		.07	.13		.21		.05									.10						.14		.70			1.61
Boonton[3]	Passaic	.31	.01				.10	.05	T.	T.	.05	.01		.01								.13						.01	.16		.38		1.22
Bridgeton	Delaware					.61			.05		.19			.13														.02			.12		1.12
Burlington	....do					.07		T	.12		.12			.70														.28			.81		2.10
Camden[2]	Delaware		T.		.20	.05		.12			.19		T.	.19								T.						.02			.37		1.14
Canoe Brook[3]	Passaic	.22					.08	.08		.01	.11			.03								.72						.03	.23		.47		1.98
Charlotteburg	Passaic	.05				.12				1.22	.06			.03								.19						.21	.04		.28		2.20
Chatham[3]	..do	.28				.02	.17	.09		T.	.13	.02		.02								.67				T.		T.	.21		.45		2.06
Clayton	Delaware					.29					.10			.17																			0.56
Culvers Lake	...do	.08				.19		.07			.23			.02			.21					.19						.15		.12	.43		1.69
Dover	Passaic					.12		.09	.03		.06		.03								.30						.02	.66			1.43		2.74
Egg Harbor City	Mullica					.13		.03			.13			.11								.01					T.	1.19					1.60
Elizabeth	Coast	.02				.06		.10	.05	.01	.05		T.	.01								.43						.11	.02		.45		1.31
Flemington	Raritan					.08		.05			.04		T	.04								.12						.18			.52		1.03
Freehold	.do					.08		.02		.05	.15		.08									.12						.40			.24		1.14
Hammonton	Mullica					.23			.06		.07	T.	.24					T.										.14			.07		0.81
Hightstown	Raritan					.05		.03	T.	.09	.16		T.	.08								.04						.14		T.	.63		1.22
Indian Mills	Mullica					.11		T.	.01	T	06		T.	.07				T.									T.	.08			.20		0.53
Jersey City	Coast					.15		.15	.12	T.	.18		.02	T.								.18				T.	T.	.10	.05		.32		1.27
Lakewood	Metedeconk					02		.02		T.	.08																T	.68			.22		1.02
Lambertville(nr)	Delaware																																....
Layton(near)	....do					.38		.10	.52		.16			T.								.21						.60	05	.18	.26		2.46
Little Falls[3]	Passaic	.14				.06	.06	.11	.45		.07			.01								.26						.04	.10		.21		1.51
Long Branch[2]‡	Coast	.01				.05		.08	.61		.09		.01								T.	T.					T.	1 02			.21		2.08
Long Valley	Raritan				T.	.20		.18	.80		.11		.02								.30							.45		.64			2.70
Moorestown[3]	Delaware					.16		T.		.15	.15			.09								.01						.01	.10		.40		1.07
Newark[1]	Coast	T.				.07		.12	.02		.05		.02								.35					T.	T.	.12			.39		1.14
New Brunswick	Raritan	T.				.12		.06		.43	.02		T.	T.								.50					T.	.15	T		.53		1.81
New Milford[2]‡	Hackensack					.07		.08	.65	.02											07	.03					.04	.13			.31		1.40
Newton	Delaware			T.		.16		11	.01					.03								.18						.04	.02	.12	.42		1.09
N. Merchantville	Delaware					.22		T.	T.		.15		T.	.10													T.	.09			1.06		1.62
Paterson	Passaic																																....
Pemberton	Delaware		T.			.08		T.	.03	.27	.25											.01						.25			.06		0.95
Phillipsburg	....do				.12	.10		.13			.24		.04	.03							T.						T.	.09		.35	1.40		2.50
Plainfield	Raritan					.11		.10	.48		.09		.02	T								.04					T.	.20			1.10		2.14
Pleasantville[3]	Coast					.16			.03		.15			.13									.04					.01	.98				1.50
Ridgefield[2]	Hackensack	.04				.16		.12	.83		.14		T.	.03								.35				T.	.01	.19		T.	.18		2.05
Runyon	Coast					.10		.07		.25	.07			.02								.35						.21			.51		1.55
Sandy Hook[1]‡	Coast					.03		.09	.18		.11		.02									.08						.48			.28		1.27
Somerville(near)	Raritan					.12		.10	.73		.14		T.									.07						.08	.01		.80		2.05
Sussex	Hudson																																....
Toms River	Coast									.17			.01															.72	.02				0.92
Trenton[1]‡	Delaware				T.	.03		.03	.02		.11		T.	T.							T.	T.					T.	.11		T.	1.18		1.48
Trenton No. 2[2]	...do					.05		.06			.12		T.	T.								T.					T.	.18			1.09		1.50
Tuckerton	Coast					.08																						.87	.04				0.99
Vineland	Maurice					.31			.05		.09			.11															.10		.06		0.72
Woodcliff Lake[2]‡	Hackensack					.07		.02	.61	.01											.09	.03					.02	.15			.33		1.33
Woodstown	Delaware	.01			.36						.07				.17			T.			.01									.10	.27		0.99
New York, N. Y[1]‡	Coast					.12		.14	.16		.06		.01	.01							.18	.01				T.	T.	.11		T.	.41		1.21
Phila., Pa[1]‡	Delaware				.13	.07		.11			.17		.09	.11														.03			1.20		1.91

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.112	.112	.128	.096	.176	.160	.080	.138	.142	.064	.112	.062	.112	.160	.128	.144	.192	.144	.080	.080	.064	.096	.144	.080	048	.062	.038	.096	.006	.004	....	3.060
	Wind movement	3	2	4	5	10	6	6	8	3	11	11	1	5	5	8	13	12	9	5	10	4	1	12	4	13	14	1	3	14	8	....	211
Pleasantville[3]	Evaporation	.128	.128	.128	.192	.144	192	.142	.112	.134	.128	.192	.098	.160	.144	.192	128	.352	176	208	.128	.008	.176	.128	.128	160	.154	*	.116	.096	.076	....	4.248
	Wind movement	29	54	34	27	49	33	17	44	47	50	47	18	24	19	36	89	56	48	33	21	29	27	76	39	88	79	40	33	61	60	....	1307
Runyon	Evaporation	.140	.120	.120	.120	.160	.150	.220	.180	130	.070	.120	.120	.120	.120	.180	.180	.180	.160	.120	.150	.080	.120	.120	120	.120	.140	.030	.120	.060	.020	....	3.790
	Wind movement	37	16	23	25	22	26	20	27	16	28	19	13	12	25	28	31	40	36	20	28	4	15	35	25	28	45	47	17	20	27	....	750

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for September, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	75	76	78	79	80	74	76	94	74	83	75	70	71	75	77	78	86	64	67	75	70	70	74	75	75	76	72	69	70	73	....	75.0
	Minimum	61	67	67	66	63	56	62	68	67	68	61	56	60	57	61	66	59	52	60	61	60	54	62	66	68	61	61	61	66	70	....	62.2
Belleplain	Maximum	82	82	83	84	82	76	75	93	89	81	78	71	73	79	82	84	83	78	71	79	75	74	79	82	83	86	80	76	76	85	.. .	80.0
	Minimum	55	57	58	59	65	47	53	62	60	61	55	45	56	49	48	55	69	44	45	50	51	45	41	59	56	66	59	59	56	69	....	55.1
Belvidere	Maximum	86	85	79	77	75	76	73	97	75	81	74	64	79	84	87	94	80	70	76	79	71	79	80	83	80	71	55	75	66	79	....	77.7
	Minimum	52	61	64	64	64	49	53	60	62	61	52	44	50	48	47	57	65	38	37	51	54	36	44	51	55	53	43	49	57	60	....	52.7
Boonton§§	Maximum	81	82	82	81	77	74	77	93	80	79	72	67	77	78	85	87	78	69	71	74	72	74	79	79	79	70	61	78	69	81	....	76.9
	Minimum	54	56	65	66	67	47	53	56	59	61	59	44	48	45	46	49	63	44	35	36	49	40	42	43	57	59	44	44	49	55	....	51.2
Bridgeton	Maximum	83	83	85	85	74	74	78	94	86	86	76	72	76	80	84	87	85	75	76	81	70	75	82	84	87	85	81	80	75	84	...	80.8
	Minimum	56	62	68	62	65	52	55	64	64	65	56	49	56	52	54	52	68	49	47	54	56	48	47	55	60	64	57	60	58	68	....	57.4
Burlington	Maximum	84	84	84	85	81	75	75	96	89	81	75	70	77	81	85	88	82	70	74	80	70	76	81	85	82	79	68	76	71	84	....	79.6
	Minimum	57	60	65	65	66	54	51	62	61	62	58	50	57	51	52	61	61	48	40	52	60	44	45	52	54	63	53	57	56	66	....	56.1
Canoe Brook§§	Maximum	82	83	70	81	78	73	78	93	80	78	72	68	75	79	85	89	80	68	70	75	76	73	79	78	76	73	66	76	72	81	....	76.9
	Minimum	54	59	61	62	66	46	48	55	54	59	54	40	47	45	46	51	66	34	34	40	52	36	40	50	51	61	45	47	50	57	...	50.3
Charlotteburg	Maximum	80	83	82	80	78	71	78	80	89	81	77	69	73	78	89	88	87	81	69	73	72	74	79	78	76	76	71	76	75	79	....	78.1
	Minimum	48	59	61	64	55	47	51	69	58	59	55	40	43	40	44	56	66	39	29	41	54	31	38	52	50	47	42	52	42	60	....	49.7
Clayton	Maximum	85	85	86	86	84	75	75	93	91	84	76	70	74	80	85	86	81	69	74	80	72	73	80	77	82	85	74	76	74	85	....	79.9
	Minimum	65	61	62	61	65	59	54	62	61	60	52	49	54	50	49	55	60	45	44	52	58	43	44	51	55	63	55	56	56	67	....	55 3
Dover	Maximum	77	80	79	78	75	71	75	91	71	76	70	64	71	76	83	86	77	64	68	71	68	70	78	75	76	68	58	76	65	77	....	73.8
	Minimum	53	62	65	67	61	49	53	62	48	63	55	45	48	45	50	65	59	42	36	48	53	38	45	55	57	49	43	53	48	64	....	52.7
Elizabeth	Maximum	88	88	86	85	83	80	82	97	84	81	78	72	81	84	91	93	86	71	73	78	72	77	82	83	84	77	65	79	70	84	....	81.1
	Minimum	58	60	64	66	67	47	52	59	58	61	55	45	50	50	50	56	64	48	40	49	58	42	43	52	55	57	46	52	53	64	....	54.0
Flemington	Maximum	84	85	86	84	80	77	80	97	.82	83	79	72	78	83	90	92	87	69	77	80	75	78	83	84	83	76	65	79	71	83	....	80.7
	Minimum	54	63	66	67	67	52	56	63	64	63	55	47	52	48	49	57	67	48	39	50	57	41	44	51	56	59	·48	53	55	65	....	55.2
Freehold	Maximum	82	83	84	76	78	73	75	94	92	80	78	72	75	80	84	86	85	66	71	76	70	74	79	80	80	77	67	75	69	84	....	78.2
	Minimum	58	59	62	62	65	50	55	61	60	60	55	46	49	50	55	58	66	47	40	50	59	42	46	55	58	60	51	55	53	65	....	55.1
Hammonton	Maximum	84	84	84	85	79	77	78	94	87	83	80	77	80	81	84	87	84	73	74	79	70	75	80	85	83	85	72	78	73	85	....	80.7
	Minimum	54	59	60	62	65	48	54	61	59	59	45	54	55	48	49	59	66	43	41	50	55	42	45	55	57	63	55	58	54	67	....	54.7
Hightstown	Maximum	85	82	84	85	80	73	74	94	79	80	72	70	74	79	83	86	81	67	75	78	69	75	80	81	82	76	67	77	70	85	....	78.1
	Minimum	57	61	65	65	66	49	54	61	59	62	56	46	53	49	53	60	66	46	38	48	58	43	48	54	54	63	52	54	53	65	....	55.3
Indian Mills	Maximum	85	84	85	86	78	73	76	95	85	82	73	71	77	81	84	87	84	68	74	78	69	76	80	87	81	83	70	78	72	84	....	79.5
	Minimum	53	60	61	62	66	47	52	62	58	62	52	43	56	46	47	58	66	44	36	50	55	38	43	49	57	63	55	57	54	68	....	54.0
Jersey City	Maximum	80	80	79	82	80	78	79	91	79	78	78	70	77	77	86	90	88	72	70	75	72	72	80	79	81	75	66	75	69	79	....	77.9
	Minimum	62	65	67	69	67	55	57	67	62	65	61	54	55	56	60	64	69	48	46	55	59	50	55	60	62	66	47	57	57	65	....	59.4
Lakewood	Maximum	81	82	82	82	79	75	77	93	91	80	75	71	75	79	85	88	83	70	71	76	68	74	81	81	81	80	83	86	86	85	....	80.0
	Minimum	59	56	60	60	66	49	54	60	60	60	51	46	54	48	49	60	67	45	37	49	57	43	44	56	56	65	55	52	51	61	....	54.3
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....
	Minimum	....	....	....	...	....	....	....	....	....	...	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Layton (near)	Maximum	81	79	82	79	75	72	77	94	79	78	69	60	76	78	85	90	74	69	71	75	71	75	81	77	79	69	51	78	70	79	....	75.8
	Minimum	53	61	60	62	65	45	49	53	56	56	52	39	50	43	47	54	57	31	34	46	52	35	38	46	52	51	42	48	45	63	....	49.5
Little Falls§§	Maximum	82	84	82	82	78	75	80	93	82	80	72	68	77	80	87	91	81	70	71	75	72	75	80	79	80	72	65	77	74	80	....	78.1
	Minimum	56	61	63	64	67	49	50	57	57	62	56	45	49	47	50	67	68	45	37	47	54	39	43	54	55	64	44	46	49	54	....	53.3
Long Branch*	Maximum	75	78	78	78	77	73	76	94	75	80	73	68	71	74	85	87	80	63	68	74	68	69	80	73	78	78	68	70	69	81	....	75.4
	Minimum	63	61	64	63	60	52	55	62	62	64	56	49	55	52	56	63	60	46	44	53	56	47	50	58	62	57	54	58	57	66	....	56.8
Long Valley	Maximum	82	85	83	81	77	74	76	94	79	79	70	65	75	80	85	89	78	67	71	74	70	74	80	80	79	69	70	75	68	80	....	77.0
	Minimum	50	49	62	65	65	46	49	53	60	62	49	43	45	44	44	52	63	40	32	45	51	35	39	44	47	56	44	45	48	58	....	49.5
Moorestown	Maximum	83	83	83	83	78	73	73	94	79	80	72	69	74	79	83	85	82	67	74	78	70	73	80	85	81	79	69	77	72	84	....	78.1
	Minimum	55	62	64	66	59	53	56	62	62	63	51	48	52	51	54	60	56	42	43	52	51	42	49	54	54	55	33	55	56	66	....	54.9
Newark*	Maximum	79	84	82	81	79	75	79	94	78	80	72	69	76	78	86	89	80	66	69	75	70	74	79	79	81	75	66	74	69	79	....	77.2
	Minimum	62	63	66	67	62	53	56	63	62	64	59	50	54	53	54	60	57	48	46	53	58	48	49	56	57	52	45	57	56	65	....	56.5
New Brunswick	Maximum	81	86	81	80	78	75	75	93	80	79	75	70	74	79	83	87	85	70	72	76	72	74	78	78	81	76	65	76	69	84	....	77.7
	Minimum	58	61	66	66	66	51	55	61	61	63	57	47	52	51	52	59	67	47	40	50	57	45	47	55	55	62	47	54	54	66	....	55.7
Newton	Maximum	...	....	80	74	71	73	75	90	78	73	72	72	76	77	80	82	80	67	67	73	70	....	79	78	76	72	51	76	67	75	....	74.2^{c}
	Minimum	....	....	52	65	62	47	51	59	55	61	58	43	47	46	51	57	58	38	38	49	53	....	38	53	51	49	40	47	50	60	....	51.1^{c}
N. Merchantville*	Maximum	86	85	82	86	80	75	74	97	90	82	75	69	79	83	85	88	82	70	77	82	72	77	81	87	83	81	65	78	72	85	...	80.3
	Minimum	57	63	66	66	66	56	59	64	64	64	59	53	56	54	56	63	68	48	46	54	60	49	52	57	58	65	53	57	58	66	....	58.6
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....
	Minimum	...	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....
Pemberton	Maximum	86	84	85	82	80	74	75	94	92	81	78	69	76	83	84	87	85	77	74	80	73	76	80	86	82	81	68	77	71	85	....	80.2
	Minimum	57	59	62	63	66	49	55	62	61	64	54	47	56	52	51	57	66	46	40	52	57	43	44	52	58	58	54	56	55	67	....	55.4
Phillipsburg	Maximum	84	84	85	78	80	76	77	98	79	80	75	66	77	81	87	90	79	69	73	77	71	76	83	84	80	71	57	75	68	79	....	78.0
	Minimum	53	65	65	66	65	53	55	66	62	62	55	47	53	50	48	54	60	41	37	52	53	40	41	51	56	56	48	50	57	63	....	53.9
Plainfield	Maximum	84	85	83	83	80	76	79	94	83	78	76	71	79	81	86	89	87	68	70	75	72	76	82	80	81	75	63	81	68	83	....	78 9
	Minimum	58	61	65	67	65	49	53	61	59	62	56	46	50	49	51	58	64	47	40	50	56	42	45	53	58	55	45	54	56	60	....	64.5
Pleasantville§§	Maximum	76	78	79	82	80	75	79	94	77	86	75	71	74	78	81	87	87	66	71	80	75	73	78	82	78	86	75	74	75	78	....	78.3
	Minimum	57	58	60	60	65	51	53	62	63	66	52	48	55	50	47	58	58	49	47	50	54	47	43	56	62	67	55	60	60	68	....	56.0
Ridgefield*	Maximum	81	82	82	81	78	73	75	88	77	78	72	67	75	79	87	90	80	68	71	73	70	75	79	76	80	73	62	72	69	80	....	76.4
	Minimum	60	64	65	65	59	51	55	61	58	65	58	48	53	52	57	62	56	46	42	52	58	45	51	55	59	50	45	54	53	66	....	55.5
Runyon	Maximum	82	83	82	82	80	75	70	93	79	79	75	72	73	81	85	88	87	74	70	76	72	74	79	83	81	71	66	73	71	86	....	78.1
	Minimum	54	55	56	58	63	42	49	57	57	63	55	39	47	42	45	67	64	44	31	42	62	34	36	45	46	49	51	69	47	62	...	51.0
Sandy Hook*	Maximum	74	75	77	76	78	73	76	88	75	78	72	68	71	72	82	84	78	64	66	72	68	69	77	72	76	74	67	68	69	78	....	73.9
	Minimum	66	65	66	68	63	59	58	66	65	66	63	58	60	61	61	65	60	53	57	60	61	57	58	61	63	56	54	60	63	67	....	61.3
Somerville (near)	Maximum	82	82	82	82	78	75	78	94	80	78	75	68	76	79	85	89	81	68	73	77	73	75	80	80	80	73	60	79	67	82	....	77.7
	Minimum	56	62	65	65	65	48	53	66	59	62	52	47	50	49	54	58	64	40	40	50	54	43	49	56	58	55	45	53	53	62	....	54.4
Sussex	Maximum	....	.. .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	. ..	....	....	....	...	....	....	....	....	....	....	....	....	....	....	.. ....
	Minimum	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	.	....	....	....	....	....	....	...	....	...	....	....
Trenton*	Maximum	82	81	82	82	79	72	74	95	80	80	72	70	74	78	83	87	80	65	72	76	68	74	78	83	80	76	64	77	70	82	....	77.2
	Minimum	59	64	67	67	61	54	60	64	64	65	58	52	57	54	57	61	55	48	45	53	55	49	51	56	60	52	52	57	57	66	....	57.3
Trenton No. 2*	Maximum	82	82	83	84	79	75	75	95	81	81	74	72	77	80	85	88	80	70	72	78	68	75	79	84	81	79	64	78	70	82	....	78.4
	Minimum	56	63	66	66	65	52	57	63	61	64	58	49	56	50	55	60	62	45	41	44	53	46	49	55	59	53	52	55	55	65	....	55.8
Tuckerton	Maximum	75	78	80	80	80	75	78	95	85	83	75	72	73	78	81	85	83	69	70	76	72	70	79	80	80	83	68	72	70	78	....	77.4
	Minimum	58	58	60	58	65	48	58	62	60	65	52	47	46	50	50	60	68	48	45	52	54	45	47	55	64	65	58	58	58	62	....	55.9
New York, N. Y.*	Maximum	79	80	79	81	77	72	77	88	77	77	71	68	75	77	81	84	78	68	69	74	71	74	77	77	78	73	66	74	67	77	....	75.5
	Minimum	63	64	64	68	61	55	56	65	62	65	59	56	59	59	59	64	59	52	54	57	59	52	57	60	63	53	50	58	61	66	....	59.3
Philadelphia, Pa.*	Maximum	83	82	83	83	79	73	73	96	80	80	73	68	74	79	81	84	83	68	73	76	70	77	79	85	81	79	64	76	72	83	....	77.9
	Minimum	62	66	68	67	64	58	64	66	66	66	62	57	58	59	62	63	60	52	53	60	61	53	56	61	62	55	54	59	60	65	....	60.6

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. OCTOBER, 1939. No. 10

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Temperature for September averaged almost normal for the State. It was unusually warm on the 9th and 10th with readings around 90° recorded at most stations on the latter date. It was also quite warm on the 20th, 21st, 26th and 27th. There was a cold period from about the 16th to 18th, and killing frosts, the first of the season, occurred at most inland stations on the 16th. During this period, temperatures as low as 19° were registered in the extreme north part of the State.

Following a dry September, good rains fell throughout the State on the first three days of the month, replenishing soil moisture, and greatly benefiting pastures and fall sown grains and grasses. After these rains, it was practically rainless until the last decade of the month, during which rains were frequent. Copious amounts fell on the last day of the month, caused by the passage of a disturbance up the eastern seaboard. The rainfall of the month was quite well distributed over the State and soil moisture was adequate at the close of the month. October rainfall was about 125 percent of normal, and for September and October combined, the amount received was 82 percent of normal. The Delaware River which had been at low stages during the past few months, rose approximately two feet from the rains around the close of the month. No storm damage of importance occurred.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 59 stations, was 54.9°, which was 0.2° above normal. The highest temperature was 93° at Elizabeth on the 10th, and the lowest, 19°, at Charlotteburg and Layton on the 16th and 18th, respectively. The greatest daily range of temperature was 50° at Runyon on the 18th and 19th. The highest monthly mean temperature was 58.6° at Atlantic City, and the lowest, 50.8° at Layton.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 48 stations, was 4.24 inches, which was 0.83 inches above normal. The greatest monthly precipitation was 5.79 inches, at Toms River, and the least, 2.08 inches at Long Valley. The greatest amount of precipitation in any 24 consecutive hours was 3.01 inches at Phillipsburg on the 31st.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is + 1.03 inches.

DATES OF MISCELLANEOUS PHENOMENA.

KILLING FROSTS: 15, 16, 18, 19. THUNDERSTORMS: 1, 21, 22, 26.
DENSE FOG: 6, 7, 10, 21, 22, 26, 27, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.03	30.51	18	29.44	31	15.0	53	ne.	2	81	63	74	55
Long Branch	30.03	30.50	18	29.38	31	11.2	41	nw.	28	79	52	68	50
Ridgefield	30.02	30.46	18	29.40	31	....	....	....	....	....	....	....	....
Sandy Hook	30.03	30.48	18	29.43	31	14.2	41	nw.	28	79	62	72	59
Trenton	30.04	30.51	18	29.41	31	8.1	31	nw.	28	81	54	66	48

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	......
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	95	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	59.9	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	8.92	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	11	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	0.31	0	1	23	6	2
1925	49.1	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	53.2	84	15	5.27	T.	10	12	7	12
1938	56.2	93	24	2.47	0	7	19	5	7
1939	54.9	93	19	4.24	0	9	14	6	11
Period	54.7	95	11	3.41	0	8	15	8	8

Climatological Data for October, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	58.6	+1.7	87	9	33	18	28	5.11	+1.91	2.23	0	10	11	9	11	w	U. S. Weather Bureau
Belleplain	Cape May	49	45	57.8	+2.3	90	10	23	16	42	5.43	+2.53	1.72	0	9	19	2	10	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	52.2^d	−2.9	88	10	25	16†	37	3 08	−0.74	1.30	0	7	17	2	12	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	52.2	+0.2	86	10	24	16	41	2.51	−1.40	0.55	0	9	15	2	14	nw.	John Kline.
Bridgeton	Cumberland	30	56	57.1	−0.1	91	10	29	18	39	5.47	+2.37	1.48	0	8	18	6	7	sw	Bennett K. Matlack
Burlington	Burlington	12	§53	56 9	0.0	91	10	28	16	39	3.82	+0.33	1.59	0	8	16	4	11	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	4.82	....	1.33	0	8	12	5	14	sw.	Central Airport, Inc
Canoe Brook	Essex	180	8	52.0	......	90	10	21	16†	43	3.33	....	0.87	0	10	16	6	9	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	51.6	+0.3	87	10	19	16	46	5.35	+0.94	1.43	0	10	13	6	12	w.	Newark Water Dept.
Chatham	Morris	185	35	......	......	......	......	......	......	....	3.32	−0.79	0.79	0	10	13	9	9	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	55.9	−0.7	90	10	29	19†	41	4.80	+1.64	1.72	0	7	18	3	10	s.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	5.18	+1.57	1.35	0	8	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	52.2	+0.8	85	10	25	16	36	2.96	−1.18	1.32	0	9	7	14	10	......	William C. Harris
Egg Harbor City	Atlantic	63	17	......	......	......	......	......	......	....	4.37	....	1.18	0	9	....	....	....	......	Chas. E. Hall.
Elizabeth	Union	34	60	55.8	+0.5	93	10	27	16†	46	4.32	+0.37	1 70	0	9	17	2	12	ne.	Union County Park Comm
Flemington	Hunterdon	140	§53	55.8	+0.2	91	10	26	16	41	4.92	+1.41	1.61	0	10	18	4	9	w.	Hiram E. Deats
Freehold	Monmouth	194	¶35	55.4	......	88	10	27	18	35	4.74	+1.03	1.40	0	9	24	0	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	55.8	......	92	10	25	15	42	5.08	+1.23	1.58	0	8	19	6	6	w.	J. G. Wilson.
Hightstown	Mercer	110	46	55.0	+0.1	87	10	26	16	36	3.97	+0.27	1.64	0	9	14	7	10	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	55.2	+0.0	92	10	22	16	43	4.90	+1.21	1.70	0	8	11	10	10	w.	Edward Entwistle.
Jersey City	Hudson	81	41	57.4	+1.2	91	10	33	18	29	4.10	0.00	1.76	0	9	11	7	13	nw.	Jersey Journal.
Lakewood	Ocean	54	35	55.7	+1.5	89	10	27	16†	39	5.05	+1.25	1.55	0	9	12	8	11	sw.	R. W. Holman.
Lambertville (near) ††	Hunterdon	430	52	55.2	+1.0	89	10	29	16	36	2.88	−0.67	1.05	0	6	19	4	8	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	50.8	−0.3	89	10	19	18	42	3 30	−0.45	1.45	0	11	12	2	17	sw.	A. M. Depue.
Little Falls	Passaic	157	§36	53.7	+0.5	90	10	26	16†	39	3.12	−1.47	0.95	0	10	16	5	10	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	56.0	+0.6	89	10	31	16†	36	5.65	+1.26	1.74	0	9	8	10	13	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	8	51.2^h	......	86	10	24	16	39	2.08	....	0.65	0	7	10	12	9	sw.	R. H. Johnson.
Moorestown	Burlington	62	76	55.0	+0.1	90	10	28	16	37	3.07	−0.41	1.07	0	8	11	7	13	n.	Japanese Beetle Laboratory
Newark	Essex	10	40	55.5	−0.2	90	10	32	16	32	4.20	−0.16	1.28	0	10	8	9	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	55.4	+0.7	89	10	27	16†	37	4.09	+0.27	1.73	0	8	13	6	12	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	3.81	+0.93	1.30	0	10	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	51.3	−1.5	84	10	25	18	36	4.87	+1.22	1.18	0	11	8	6	17	nw.	Irving J. Kern.
N. Merchantville	Camden	63	2	56.0	......	91	10	33	16	32	4.07	....	1.39	0	8	14	6	11	sw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	56.2	......	90	10	27	16	40	4.11	....	1.71	0	7	18	5	8	n.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	53.6	−0.1	87	10	28	16	37	5.31	+1.71	3.01	0	9	13	9	9	......	Town Engineer.
Plainfield	Union	120	51	55.6	+1.8	91	10	28	16†	38	3.87	−0.21	1.56	0	10	9	10	12	sw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	57.7	+2.9	91	10	27	16	40	3.99	+0.66	1.27	0	12	19	4	8	sw.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	54 9	+1.9	90	10	30	16†	34	4.68	+0.45	1.68	0	10	11	9	11	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	54.0	+1.0	89	10	23	18	50	4.27	+0.45	1.65	0	9	20	5	6	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	56.8	−0.1	84	10	37	18	22	4.50	+0.72	1.37	0	10	11	9	11	sw.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	54.8	+0.7	90	10	26	18	36	4.20	+0.62	1.39	0	11	15	6	10	w.	Richard H. Rogers.
Sussex	Sussex	450	44	50.9	−2.0	78	7†	23	16	39	4 80	+1.44	1.17	0	13	13	7	11	w.	Marshall Hunt.
Toms River	Ocean	33	18	......	......	......	......	......	......	....	5.79	....	1.55	0	8	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	67	55.6	0.0	89	10	34	18	31	2.85	+0.07	1.62	0	9	8	11	12	n.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	9	55.3	......	90	10	30	16	34	3.46	....	1.33	0	8	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	57.0	+1.1	90	10	27	18	38	4.36	+0.74	1.71	0	10	19	1	11	nw.	John H. Brown.
Vineland	Cumberland	109	11	......	......	......	......	......	......	....	3.82	+0.78	1.15	0	10	....	....	....	......	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	3.97	+1.12	1.18	0	10	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	5	......	......	......	......	......	......	....	4.60	....	1.70	0	9	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	69	56.4	+0.1	86	10	33	18	28	3.96	+0.43	1.75	0	11	9	10	12	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	68	57.6	−0.2	90	10	36	18	27	4.30	+1.49	1.66	0	8	10	9	12	sw.	U. S. Weather Bureau.
For the State	......	......	....	54.9	+0.2	93	10	19	16†	50	4.24	+0.83	3.01	0	9	14	6	11	sw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-12-13-39-900

ERRATA.

August, 1939: In 15th line of General Summary, Belvidere should be Belleplain.

Daily Precipitation for October, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.26	1.74	.17									.11									.21	T			T.	.01	.01	03		.89	1.68	5.11
Belleplain	Tuckahoe	.93	.64	1.72									.05										.21				T.	.10	.03		.32	1.43	5.43
Belvidere	Delaware	*	.70	T.																			.39			.05		.10	.40		.14	1.30	3.08
Boonton[3]	Passaic	.29	.43	.53	.09	T.	T.																.22		T.		.02	T.	.29	.09		.55	2.51
Bridgeton	Delaware	1.19	1.43	.06									T.										.69			T.		.08	.16		.38	1.48	5.47
Burlington	....do	.54	.45	.12																			.70				T.	.03	.20		.19	1.59	3.82
Camden[2]	Delaware	1.16	.86	T.			T.											T				.32	T.		T.	T.	.01	.03	.30		.81	1.33	4.82
Canoe Brook[3]	Passaic	.42	.58	.48	.04		.01																.40				.08		.38	.07		.87	3.33
Charlotteburg	Passaic	.72	.03	.55																			1.43			.09	.04	.68	.36		.02	1.43	5.35
Chatham[3]	...do	.31	.58	.47	.07	T.	T.																.46	.02			.02	T.	.38	.22		.79	3.32
Clayton	Delaware	.82	.98	.15																			.59						.32		.22	1.72	4.80
Culvers Lake	...do	1.10	.14	.54																			1.15			.08		.37	.45		T.	1.35	5.18
Dover	Passaic	.36	.23	.11																		*	.24			.03		.30			.37	1.32	2.96
Egg Harbor City	Mullica	.78	.64	.27								T.	.01									.66	T.			.02			.11		.70	1.18	4.37
Elizabeth	Coast	.85	.20	.50																			.50			T.	.01	.04	.27		.25	1.70	4.32
Flemington	Raritan	1.39	.49	.10																			.52			.05	.03	.05	.42		.26	1.61	4.92
Freehold	..do	1.15	.64	.49	.02																		.51				.05		.17		.31	1.40	4.74
Hammonton	Mullica	.90	.58	.82	T.																		.50			.05			.25		.40	1.58	5.08
Hightstown	Raritan	.71	.42	.25	T.							T.											.48			T.	.04	.02	.18		.23	1.64	3.97
Indian Mills	Mullica	1.25	.59	.06	T.								T.					T.					.61			T.	T.	.01	.25		.43	1.70	4.90
Jersey City	Coast	.43	.56	.54	T.		T.					T.						T.					.43			.01	T.	.01	.15		.21	1.76	4.10
Lakewood	Metedeconk	.25	1.55	.35									T.										.65			T.	.05	.02	.40		.26	1.52	5.05
Lambertville(nr.)	Delaware	.77	.42	.14																				.38						1.05	.12		2.88
Layton(near)	....do	.18	.22	.48											.01								1.45			.09	.04	.17	.34		.11	.21	3.30
Little Falls[3]	Passaic	.40	.53	.54	.07																		.29				.02		.30	.01	.01	.95	3.12
Long Branch[2]‡	Coast	1.23	1.74	.02									T.					T.				.34	.16			T.	.01	T.	.21		.61	1.33	5.65
Long Valley	Raritan		.34		.48																	.17	.02			.07			.35	T.		.65	2.08
Moorestown[3]	Delaware	.40	.48	.34	T.			T.															.40				.05	T.	.06	.27		1 07	3.07
Newark[1]	Coast	.67	.64	.09	T.	T.	T.			T.		T.			T.			T.				.53	.01	T.		T.	.01	.22	.13		.62	1.28	4.20
New Brunswick	Raritan	.48	.30	.36	T.		T.																.62	T.		T.	T.	.04	.31		.25	1.73	4.09
New Milford[2]‡	Hackensack	.48	.37	.38																		.51	.05				.04	.12	.08		.48	1.30	3.81
Newton	Delaware	1.08	.15	.52	T.																		1.17	.01		.02	.03	.26	.33		.12	1.18	4.87
N. Merchantville	Delaware	.21	1.19	T.								T.										.36	T.			T.	.05	.03	.36		.48	1.39	4.07
Paterson	Passaic																																
Pemberton	Delaware	.46	.48	.10	T.																		.68			T.		T.	.46		.22	1.71	4.11
Phillipsburg	....do	.45	.50	.15						T.					T.							T.	T.			.04	.03	.68	.15		.30	3.01	5.31
Plainfield	Raritan	.69	.39	.01								T.						T.					.44			.03	.01	*	.44		.30	1.56	3.87
Pleasantville[3]	Coast	.06	.66	1.15	.01		.02						T.	.05									.63			.02	.05		.02	.05		1.27	3.99
Ridgefield[2]	Hackensack	.60	.44	.61											T.								.61	T.		.01	.03	.23	.15		.32	1.68	4.68
Runyon	Coast	.54	.32	.51																			.63	.02			.06		.30		.24	1.65	4.27
Sandy Hook[1]‡	Coast	.76	1.04	.02						T.								T.				.70	.11			T.	.09	.07	.06		.43	1.22	4.50
Somerville(near)	Raritan	1.05	.20	.16	.02																		.47			.02	.03	.04	.46		.36	1.39	4.20
Sussex	Hudson	.78	.03	.66			.01			.01					T.								1.17	.01		.03	.03	.25	.66		.01	1.15	4.80
Toms River	Coast	.65	.95	1.02	.05																		.83						.29		.45	1.55	5.79
Trenton[1]‡	Delaware	.16	.34	.01								T			T.			T.				.25	.03			T.	T	.03	.16		.67	1.20	2.85
Trenton No. 2[2]	....do	.24	.45	T.								T.										.41	.01			T.		.08	.18		.76	1.33	3.46
Tuckerton	Coast	.08	.87	.52	.04								.02										.63				.04		.12		.33	1.71	4.36
Vineland	Maurice	.19	1.15	.52	T.								.01										.81	.03			.01		.04	.15		.91	3.82
Woodcliff Lake[2]‡	Hackensack	.47	.17	.54																		.46	.33				.05	.14	.20		.43	1.18	3.97
Woodstown	Delaware	.40	1.40	.20			T.															.32				.05		.05	.25		.23	1.70	4.60
New York, N. Y[1]‡	Coast	.47	.72	.08			T.					T.						T.				.43	.05			.01	.02	.15	.05		.61	1.37	3.96
Phila., Pa[1]‡	Delaware	.30	1.50	T.								T.										.35	T.			T.	.01	.01	.37		.54	1.22	4.30

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.004	.036	.000	.008	.048	.058	.048	.128	.032	.064	.128	.144	.032	.064	.096	.080	.064	.128	.048	.032	.048	.064	.080	.080	064	.016	.032	*	*	*	*	1.682
	Wind movement	8	4	6	2	2	3	4	3	1	4	10	8	0	3	13	6	6	22	6	11	3	13	11	20	3	7	3	12	41	3	4	240
Pleasantville[3]	Evaporation	.076	.052	*	*	.024	100	.080	.096	.064	.160	.192	.096	*	.130	.123	128	.128	.096	.144	.064	.048	.102	.096	.144	.100	.018	.064	*	.134	.080	*	2.560
	Wind movement	60	86	157	49	10	20	14	25	20	23	34	30	8	21	87	32	28	73	27	76	16	62	43	57	35	17	26	70	108	18	82	1406
Runyon	Evaporation	.020	020	.010	.060	.120	.080	.120	.120	.120	.150	.120	.120	.120	.120	.120	.120	.080	.080	.060	.080	.090	.130	.020	080	.040	.060	.060	.000	.060	.030	.000	2.410
	Wind movement	39	53	10	11	15	33	32	29	60	16	21	24	16	22	17	20	22	14	26	40	32	20	12	21	18	15	44	56	32	18	.40	789

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for October, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*.........	Maximum....	70	63	57	60	69	70	84	72	87	85	76	60	67	66	56	61	65	50	66	73	67	70	58	55	62	76	67	68	52	60	54	66.0
	Minimum	57	55	50	52	54	59	62	62	68	69	58	56	49	46	40	41	41	33	43	68	60	51	44	42	45	60	61	40	35	49	45	51.1
Belleplain............	Maximum....	79	73	69	68	69	77	84	78	84	90	85	78	74	66	60	65	64	59	71	77	78	73	69	66	63	79	75	70	65	61	58	71.8
	Minimum	50	50	45	49	53	54	49	51	56	60	62	45	37	41	27	23	32	27	29	52	42	49	39	39	37	55	52	50	27	27	47	43.7
Belvidere............	Maximum....	....	....	....	61	65	72	82	70	86	88	75	60	60	61	50	62	50	44	60	75	77	66	....	48	43	69	69	64	52	50	47	63.2ᵈ
	Minimum	50	48	44	48	49	52	46	47	52	56	56	34	35	38	32	25	33	25	30	45	51	46	37	32	30	42	48	45	30	28	43	41.2
Boonton§§............	Maximum....	57	54	53	62	74	76	80	70	84	86	69	62	68	59	54	62	58	51	66	75	77	66	53	53	50	72	68	67	51	50	47	63.7
	Minimum	54	47	45	46	45	51	49	46	51	55	59	40	35	36	36	24	30	28	30	38	41	42	45	36	25	31	47	52	31	29	40	40.8
Bridgeton............	Maximum....	73	55	53	59	73	81	85	83	87	91	78	64	68	62	60	61	65	55	71	74	77	66	59	55	62	80	71	72	55	58	55	68.0
	Minimum	55	48	45	51	52	53	52	53	60	61	62	50	41	45	36	30	37	29	32	50	47	50	40	40	40	55	54	55	31	31	47	46.2
Burlington............	Maximum....	74	55	54	61	70	77	82	78	86	91	84	79	67	61	58	64	61	54	71	77	80	70	68	51	56	75	72	71	57	56	55	68.2
	Minimum	54	49	45	51	52	56	53	55	59	57	64	61	40	41	37	28	35	33	32	46	44	51	46	33	33	51	51	49	31	31	47	45.6
Canoe Brook§§........	Maximum....	56	55	56	63	69	77	79	71	85	90	72	68	65	61	56	64	61	53	68	76	79	69	56	53	58	74	69	64	51	52	47	65.1
	Minimum	55	48	45	46	40	48	45	44	54	54	58	34	31	33	33	21	28	23	28	39	37	46	38	32	21	34	45	55	27	25	37	38.8
Charlotteburg.........	Maximum....	77	53	54	59	78	76	76	75	81	87	65	62	63	63	58	62	60	52	67	75	76	73	64	61	49	71	69	66	49	48	48	64.7
	Minimum	50	44	41	51	40	49	44	39	54	60	52	32	35	30	31	19	28	24	21	49	37	43	40	31	21	42	44	45	29	21	42	38.4
Clayton...............	Maximum....	74	55	53	60	70	80	81	81	85	90	84	65	65	60	56	63	63	54	70	76	77	66	60	53	60	78	73	72	51	58	56	67.4
	Minimum....	53	47	43	50	51	52	52	52	58	58	63	42	39	41	36	36	34	30	29	49	44	49	42	36	35	54	52	47	29	29	45	44.4
Dover..................	Maximum....	65	53	52	59	74	74	75	68	80	85	74	59	61	56	51	60	55	50	65	74	79	65	52	48	48	70	66	77	50	49	48	62.6
	Minimum	52	42	44	49	46	53	43	45	57	55	48	38	39	35	41	25	35	28	30	50	43	46	40	32	26	47	48	60	30	26	43	41.8
Elizabeth	Maximum....	75	56	54	65	75	85	85	73	88	93	84	65	74	63	61	66	67	56	76	80	80	69	62	56	54	74	74	68	55	56	60	69.3
	Minimum	54	47	45	50	46	50	50	51	55	57	60	40	38	38	31	27	34	27	30	44	44	51	36	30	28	50	50	46	28	32	45	42.4
Flemington	Maximum....	79	55	53	62	75	80	83	75	88	91	84	65	69	63	57	67	60	56	70	79	78	69	61	55	48	76	70	68	54	53	51	67.5
	Minimum	53	48	46	51	52	55	53	50	60	57	63	42	39	38	33	26	36	36	30	45	43	51	42	35	32	47	50	50	32	29	46	44.2
Freehold..............	Maximum....	72	54	52	62	71	75	81	72	85	88	75	61	65	59	55	63	59	51	69	75	78	65	54	50	58	73	76	71	50	56	55	65.5
	Minimum	54	47	45	51	49	55	65	54	57	61	60	42	42	42	34	29	40	27	34	51	48	48	40	32	32	52	55	47	31	33	45	45.2
Hammonton.... ...	Maximum....	80	58	52	60	72	80	84	80	88	92	76	69	62	58	67	65	56	55	71	79	79	68	59	54	62	80	74	73	53	59	57	68.5
	Minimum	55	48	44	50	51	53	64	48	58	61	62	38	42	33	25	35	27	28	30	50	46	51	39	33	35	52	51	49	26	26	27	43.1
Hightstown...........	Maximum....	76	55	52	63	70	75	81	74	85	87	78	62	65	59	56	62	60	53	68	75	79	65	60	49	57	73	73	69	48	56	55	65.8
	Minimum	54	48	44	50	51	56	54	50	58	60	61	41	41	41	33	26	39	27	32	49	49	51	40	33	32	51	50	48	30	29	45	44.3
Indian Mills..........	Maximum....	73	55	52	59	71	78	84	78	87	92	76	62	67	60	56	65	62	55	71	78	78	66	57	52	61	78	75	73	52	58	55	67.8
	Minimum	54	48	45	51	52	55	51	48	57	59	61	37	37	38	30	22	36	28	29	49	43	49	42	30	31	54	53	48	26	26	46	43.1
Jersey City.	Maximum....	73	55	54	61	74	72	80	74	86	91	81	63	67	63	56	64	60	54	70	77	74	68	59	54	54	72	70	69	51	55	54	66.3
	Minimum	52	48	45	48	51	57	60	52	61	65	61	50	48	51	37	35	48	33	42	54	53	55	45	38	35	49	56	50	35	42	47	48.5
Lakewood.............	Maximum....	74	66	59	64	74	77	80	71	86	89	77	65	65	62	55	65	62	53	70	76	78	65	58	52	58	75	75	73	51	57	57	67.4
	Minimum	58	45	46	54	47	52	53	51	57	59	63	40	39	39	36	27	37	27	31	50	42	49	39	32	32	53	50	48	31	29	47	44.0
Lambertville (near)..	Maximum....	62	53	56	60	79	74	75	76	85	89	82	78	74	70	62	60	55	54	68	74	72	76	66	62	59	64	62	65	54	62	65	67.2
	Minimum	48	46	43	46	46	50	54	53	59	61	62	50	44	50	33	29	35	28	38	38	50	52	50	38	32	30	36	34	32	36	37	43.2
Layton(near).........	Maximum....	65	50	50	59	77	77	77	77	82	89	75	61	63	58	52	62	55	53	65	74	76	68	51	49	41	69	63	66	50	45	46	62.7
	Minimum	49	45	45	48	44	50	42	44	54	56	52	37	32	33	28	20	28	19	30	48	42	43	40	31	21	40	46	41	28	23	43	38.8
Little Falls§§..........	Maximum....	58	55	56	63	76	77	80	73	85	90	71	62	66	60	56	64	60	54	69	77	78	70	54	54	54	76	69	66	52	52	48	65.3
	Minimum	54	47	44	46	44	52	48	46	57	56	61	39	36	37	34	26	33	27	31	46	41	52	44	35	26	36	48	55	31	29	45	42.1
Long Branch*........	Maximum....	66	55	54	63	72	74	80	68	85	89	75	60	66	62	54	63	61	52	72	76	71	65	57	51	59	75	75	71	49	67	53	65.5
	Minimum	54	49	49	51	51	55	57	57	60	64	53	45	44	45	54	31	40	31	36	54	50	48	42	35	33	54	57	41	33	43	44	46.5
Long Valley..........	Maximum....	55	....	54	60	76	76	79	70	84	86	70	62	59	59	54	62	60	50	66	76	77	68	56	50	51	71	66	61	50	50	46	63.5ᵃ
	Minimum	....	48	....	44	41	48	44	44	56	53	59	37	34	34	30	24	28	25	27	37	40	41	39	32	36	34	46	55	27	24	40	39.0ᵇ
Moorestown..........	Maximum....	66	53	53	59	69	76	81	77	86	90	73	62	65	60	55	63	61	52	70	76	73	67	56	50	56	76	72	73	51	56	49	65.4
	Minimum	53	44	45	51	52	56	55	53	59	61	52	47	40	40	32	28	39	32	33	52	46	50	44	56	36	51	55	39	31	30	43	44.7
Newark*.............	Maximum....	66	56	53	63	74	77	81	71	84	90	72	62	65	60	54	63	59	52	69	76	74	68	55	53	54	72	69	67	51	55	49	65.0
	Minimum	53	46	45	52	50	56	55	53	58	63	53	48	44	42	38	32	38	35	37	51	48	47	45	38	33	50	55	39	35	43	43	46.0
New Brunswick.... ..	Maximum....	78	55	52	63	71	75	81	77	85	89	83	63	65	62	55	64	59	52	67	76	78	67	56	51	54	73	70	70	57	55	54	66.4
	Minimum	54	48	44	50	50	55	51	52	57	59	63	42	40	41	34	27	38	27	34	49	44	51	42	34	32	50	50	49	30	32	45	44.3
Newton..............	Maximum....	69	50	49	59	72	75	76	65	81	84	78	56	63	61	58	56	52	52	68	72	72	65	50	48	42	68	64	62	48	51	44	61.6
	Minimum	48	43	43	46	45	53	51	47	57	59	55	40	39	32	27	28	36	25	32	49	46	48	39	30	26	40	48	40	29	28	42	41.0
N. Merchantville*....	Maximum....	66	53	53	59	72	78	83	77	87	91	75	62	67	59	54	61	60	50	68	74	77	66	58	52	56	76	71	67	52	65	51	65.5
	Minimum	53	46	44	52	52	57	56	54	60	63	51	47	44	44	38	33	39	34	36	62	49	52	46	40	41	52	57	41	35	34	44	46.6
Paterson...	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton............	Maximum....	72	56	52	60	70	78	83	78	88	90	80	65	67	62	58	67	64	55	71	79	80	66	60	52	59	77	73	74	53	58	56	67.8
	Minimum	55	48	45	51	52	55	51	54	59	60	64	42	39	42	30	27	35	29	32	49	46	49	42	32	35	52	54	47	31	32	46	44.7
Phillipsburg....	Maximum....	66	54	53	60	74	77	80	71	84	87	71	63	64	59	54	61	57	50	67	74	76	68	56	52	49	70	67	66	49	51	48	63.8
	Minimum	52	47	46	51	51	52	49	48	58	58	59	45	39	41	35	28	35	30	30	45	46	44	40	36	33	47	50	42	34	30	43	43.4
Plainfield.............	Maximum....	72	54	54	61	74	75	82	72	86	91	70	65	68	64	57	65	61	56	70	77	80	69	62	56	52	71	62	68	53	57	56	66.4
	Minimum	50	47	44	50	51	54	56	50	57	58	55	48	46	49	35	28	37	28	32	45	45	53	43	35	30	51	50	44	32	38	45	44.7
Pleasantville§§........	Maximum....	66	63	66	63	74	78	87	75	88	91	78	62	69	66	58	66	65	53	69	79	75	73	60	56	67	83	74	72	59	64	67	69.2
	Minimum	62	53	49	52	53	54	53	51	55	60	63	52	41	40	31	27	37	27	29	51	44	55	40	36	34	46	61	65	28	30	52	46.2
Ridgefield*............	Maximum....	65	55	53	64	74	74	80	70	81	90	70	62	66	60	65	64	61	54	69	77	73	66	54	53	49	71	67	65	52	54	46	64.3
	Minimum	53	45	45	50	48	56	54	50	59	60	64	45	44	45	35	30	40	30	37	52	46	53	43	36	31	48	56	41	33	40	42	45.5
Runyon................	Maximum....	54	54	66	64	72	76	82	78	86	89	79	70	71	72	69	64	70	73	74	77	80	68	64	62	64	68	70	64	68	55	54	69.6
	Minimum	49	47	47	40	42	42	50	48	55	54	46	36	30	31	31	27	29	23	24	34	54	48	38	28	24	38	40	24	38	24	45	38.3
Sandy Hook*.........	Maximum....	68	56	55	63	69	71	77	67	82	84	74	61	64	60	54	62	59	51	67	72	68	63	56	51	58	67	67	66	49	56	51	63.5
	Minimum	54	48	50	52	54	59	60	59	62	65	57	55	52	46	46	46	41	37	45	65	64	52	43	39	42	54	55	42	38	47	46	50.0
Somerville(near).....	Maximum....	74	53	51	62	72	78	81	72	85	90	76	63	65	61	63	64	63	53	68	77	77	67	57	55	55	72	66	62	52	52	50	65.7
	Minimum	53	47	43	49	48	53	53	52	58	62	55	43	40	45	33	28	41	26	34	48	50	52	37	31	31	47	52	45	29	32	44	43.9
Sussex................	Maximum....	66	53	52	68	65	71	78	66	75	78	78	57	56	57	63	62	56	52	65	74	76	67	51	50	45	69	64	66	50	46	45	61.3
	Minimum	52	46	45	49	43	51	45	45	51	50	57	39	32	37	33	23	32	24	32	45	43	47	42	33	24	42	47	44	31	27	44	40.5
Trenton*..............	Maximum....	67	54	54	60	70	76	81	77	86	89	72	61	65	59	53	63	58	51	69	76	77	66	55	48	56	74	71	67	50	56	51	64.9
	Minimum	53	47	44	51	51	56	55	55	60	63	54	48	46	45	36	34	38	34	38	51	50	49	43	37	39	52	56	39	36	36	43	46.4
Trenton No. 2*.......	Maximum....	66	54	53	62	71	76	82	76	87	90	74	62	66	60	57	64	60	53	69	77	78	65	57	50	56	74	73	66	51	55	52	65.7
	Minimum	53	47	44	51	51	56	53	51	60	61	52	43	42	46	35	30	40	31	36	51	50	49	42	35	35	50	52	37	34	32	44	44.9
Tuckerton...........	Maximum....	71	62	55	61	72	75	83	71	88	90	78	64	68	68	57	66	65	50	70	77	76	68	63	54	63	77	72	68	53	63	57	67.9
	Minimum	60	52	48	50	50	55	56	54	58	68	62	50	42	45	33	30	38	27	32	45	46	53	40	33	38	53	53	50	30	35	47	46.2
New York, N. Y.*....	Maximum....	68	57	55	62	72	73	79	72	82	86	73	61	65	59	54	61	58	52	67	73	70	67	53	53	58	70	69	68	51	58	51	64.4
	Minimum	50	48	46	50	49	56	60	60	61	68	55	53	49	43	37	43	38	33	44	54	58	51	41	37	40	54	55	40	36	43	44	48.3
Philadelphia, Pa.*....	Maximum....	68	54	54	59	69	77	81	76	86	90	73	62	65	60	58	63	61	51	68	74	78	68	56	52	56	75	72	68	52	56	51	65.6
	Minimum	54	48	46	53	53	59	59	57	63	65	58	56	50	44	40	43	40	36	42	55	54	52	47	42	45	54	59	41	38	41	45	49.6

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day on which it almost always occurs * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. NOVEMBER, 1939. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the coöperative observers whose work appears herein.

GENERAL SUMMARY.

Although November averaged about 4° colder than the same month last year, there were no very low temperatures. The lowest reading was 12° as compared with —7° in November last year. Monthly minima were registered at various stations on the 4th, 10th, 14th, 15th, 23d, 24th and 26th. There was an unusually warm period from the 16th to 18th inclusive and nearly all stations registered their highest for the month on the 18th. The last few days were also somewhat above normal.

Precipitation was only 58 percent of the normal amount. Measurable amounts fell on an average of only four days over the State. Most of the precipitation occurred on the 5th, on which date moderately heavy rains were general. In the extreme north these rains turned to snow, the first of the season, mostly melting as it fell. There were light accumulations of snow at several stations on the 21st and 22d. Snowfall, however, was negligible this month as compared with November last year when the State average was 12.6 inches. By the close of the month, the soil was becoming quite dry, though fall-sown grains and grasses continued in good condition. Wells and small streams were very low and in some localities it was necessary to haul water for stock. The precipitation for the three months, September to November this year, was only 74 percent of normal. Also, only two months of the last seven, August and October, have had more than normal precipitation.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 59 stations, was 41.5°, which was 2.1° below normal. The highest temperature was 78° at Bridgeton on the 16th, and the lowest, 12°, at Layton on the 26th. The greatest daily range of temperature was 50° at Bridgeton on the 16th. The highest monthly mean temperature was 45.5° at Atlantic City, and the lowest, 37.0° at Layton.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 48 stations, was 1.86 inches, which was 1.32 inches below normal. The average total snowfall at 22 selected stations was 0.2 inch, which was 0.9 inch below normal. The greatest monthly precipitation was 3.63 inches, at Moorestown, and the least, 0.84 inches at Phillipsburg. The greatest amount of precipitation in any 24 consecutive hours was 1.95 inches at Atlantic City and Dover on the 5th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is —0.29 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 22, 23.

SLEET: 5, 21, 22.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.19	30.52	15	29.68	5	17.4	45	ne.	20	73	54	64	61
Long Branch	30.15	30.55	4	29.60	1	11.4	42	nw.	9	70	47	39	66
Ridgefield	30.16	30.53	4	29.61	5	..	....	..	....	....	....	....	....
Sandy Hook	30.16	30.54	4	29.61	1	17.0	47	ne.	5	69	53	61	62
Trenton	30.18	30.55	4	29.73	5	9.3	27	ne.	5	66	48	55	65

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	....	......	......	......	......
1886	44.5	73	17	4.49	....	......	......	......	......
1887	41.5	72	13	1.94	....	6	......	......	......
1888	45.8	77	8	3.97	....	10	......	......	......
1889	45.7	69	13	8.48	....	13	......	......	......
1890	43.8	74	11	0.82	....	8	13	12	5
1891	42.2	70	6	2.39	....	4	12	10	8
1892	41.9	71	12	7.29	....	11	8	9	13
1893	41.8	70	11	3.48	....	7	10	11	9
1894	40.3	76	11	3.34	....	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0.96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T.	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
1938	45.6	80	--7	3.42	12.6	12	14	6	10
1939	41.5	78	12	1.86	0.2	4	17	6	7
Period	43.6	83	−7	3.18	1.1	8	12	8	10

Climatological Data for November, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	66	45.5	−0.1	68	18	30	15	25	2.17	−0.65	1.95	T.	3	13	8	9	w.	U. S. Weather Bureau
Belleplain	Cape May	49	45	40.8^b	−3.6	69	18	18	15	42	2.25	−0.29	1.50	T.	6	19	5	6	ne.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	39.8	−1.6	66	18	20	26	41	1.23	−1.96	0.82	T.	3	21	4	5	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	38.8	−2.4	66	18	21	14†	39	2.45	−0.56	1.48	......	2	15	3	12	ne.	John Kline.
Bridgeton	Cumberland	30	56	43.2	−2.5	78	16	25	15†	50	1.35	−1.25	0.91	T.	6	18	4	8	nw.	Bennett K. Matlack
Burlington	Burlington	12	§53	43.3	−1.4	70	18	26	16	41	1.39	−1.59	1.16	T.	4	23	1	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	1.53	....	1.23	2.5	4	12	10	8	nw.	Central Airport, Inc
Canoe Brook	Essex	180	9	38.4	......	67	18	16	4†	46	2.59	....	1.51	......	3	20	4	6	n.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	39.8	−0.6	66	18	19	16	46	1.87	−1.75	1.16	T.	3	20	5	5	w.	Newark Water Dept
Chatham	Morris	185	35	......	......	......	......	......	......	....	2.66	−0.78	1.42	T.	3	22	3	5	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	42.2	−2.2	67	16	22	15	41	1.56	−1.16	1.12	1.8	4	20	1	9	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	1.62	−1.48	0.94	T.	2	....	....	....	......	L. S. Depue.
Dover	Morris	600	55	39.4	−1.0	66	18	23	4	40	1.96	−1.59	1.95	T.	2	10	15	5	......	William C. Harris
Egg Harbor City	Atlantic	63	17	......	......	......	......	......	......	....	2.05	....	1.80	0.1	4	22	5	3	......	Chas. E. Hall.
Elizabeth	Union	34	60	43.0	−0.8	69	18	22	27	41	1.43	−1.49	1.20	T.	5	20	3	7	ne.	Union County Park Comm
Flemington	Hunterdon	140	§53	42.5	−0.8	69	18	25	15†	41	1.81	−1.14	1.23	1.0	4	23	1	6	nw.	Hiram E. Deats
Freehold	Monmouth	194	¶35	41.5	......	67	18	24	4	35	1.52	−2.50	1.37	0	4	22	2	6	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§33	42.2	......	70	18	23	10†	41	1.88	−1.16	1.50	T.	3	18	5	7	w.	J. G. Wilson.
Hightstown	Mercer	110	46	41.6	−1.9	66	18	24	4†	37	1.84	−1.07	1.66	0.1	5	17	6	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	41.9	−1.6	69	18	21	12	42	1.67	−1.33	1.38	0.2	6	14	9	7	w.	Edward Entwistle.
Jersey City	Hudson	81	41	44.6	+0.1	69	18	28	14	30	1.59	−1.41	1.42	T.	3	15	5	10	nw.	Jersey Journal.
Lakewood	Ocean	54	35	42.4	−0 8	69	18	22	10	42	1.60	−1.49	1.43	T.	5	10	9	11	sw.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	52	......	......	......	......	......	......	....	......	....	....	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	37.0	−2.3	68	18	12	26	47	1.63	−1.44	1.41	1.0	3	17	3	10	nw.	A. M. Depue.
Little Falls	Passaic	157	§36	40.8	−1.2	67	18	22	14	41	2.47	−0.93	1.32	0	3	21	7	2	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	42.5	−1.7	68	18	28	10†	37	1.60	−1.96	1.58	T	2	10	12	8	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	9	38.7	......	66	18	20	3	44	3.35	....	1.75	T.	2	20	6	4	nw.	R. H. Johnson.
Moorestown	Burlington	62	76	41.9	−1.0	70	18	26	4†	38	3.63	+0.72	2.00	0.6	6	18	5	7	n.	Japanese Beetle Laboratory
Newark	Essex	10	40	42.0	−1.7	67	18	28	23†	32	1.41	−1.68	1.41	T.	1	10	12	8	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	42.1	−1.5	69	18	25	15	40	1.74	−1.10	1.42	T.	5	17	7	6	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	1.33	−1.88	1.33	......	1	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	37.8	−3.0	63	18	20	4†	33	1.80	−1.27	1.50	0	3	11	12	7	nw.	Irving J. Kern.
N. Merchantville	Camden	63	5	43.4	......	71	18	29	4	35	1.68	....	1.30	1.6	4	14	9	7	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	42.7	......	69	18	24	15	42	1.72	....	1.47	0.2	6	21	1	8	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	39.8	−2.0	65	18	24	26	38	0.84	−1.99	0.84	T.	1	17	6	7	......	Town Engineer.
Plainfield	Union	120	51	41.8	−0.8	68	18	26	10†	39	1.83	−1.22	1 62	0.2	5	16	7	7	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	43.8	−1.3	74	18	23	10†	45	3.27	+0.45	1.60	......	7	17	5	8	ne.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	41.8	0 0	67	18	25	14	34	1.39	−1.45	1.38	T.	2	16	7	7	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	38.6	−4.8	67	18	15	27	48	1.73	−1.45	1.28	......	4	21	7	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	43.2	−2.6	60	16	30	14	24	1.33	−1.92	1.29	T.	2	13	8	9	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	40.6	−2.1	67	18	21	24	35	2.35	−0.62	1.63	T.	6	16	8	6	w.	Richard H. Rogers.
Sussex	Sussex	450	44	39.4	−1.8	67	18	17	26	42	1.69	−1.13	1.60	T.	4	18	5	7	nw.	Marshall Hunt.
Toms River	Ocean	33	18	......	......	......	......	......	......	....	1.65	....	1.50	......	4	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	67	42.4	−2.0	68	18	29	4	32	1.59	−1.14	1.48	T.	3	9	13	8	nw.	U.S. Weather Bureau.
Trenton No. 2	Mercer	105	9	42.3	......	68	18	26	4	35	2.05	....	1.93	T.	3	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	44.0	−0.7	72	18	28	4†	37	2.06	−0.94	1.59	T.	3	21	0	9	nw.	John H. Brown.
Vineland	Cumberland	109	11	......	......	......	......	......	......	....	2.85	+0.19	1.13	0.5	6	....	....	....	......	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	1.38	−1.65	1.38	......	1	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	5	......	......	......	......	......	......	....	0.90	....	0.70	T.	3	....	....	....	......	Charles Bishop.
New York, N. Y.	....	10	69	43.2	−1.0	65	18	28	14	27	1.47	−1.49	1.46	T.	2	13	9	8	nw.	U. S. Weather Bureau
Philadelphia, Pa	....	26	68	44.9	−0.8	70	18	33	20	31	1.26	−1.44	1.03	0.4	3	13	10	7	nw.	U. S. Weather Bureau.
For the State	....	......	....	41.5	−2.1	78	16	12	26	50	1.86	−1.32	2.00	0.2	4	17	6	7	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-15 39-900

ERRATA.

October, 1939: In 1st line of General Summary, September should be October. On page 40, minimum temperature at Sandy Hook on the 15th should be 40.

Daily Precipitation for November, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast					1.95			T.						T.					T.	.09	.13	T.			T.					T.		2.17
Belleplain	Tuckahoe	.10				1.50	.10													T.	.15	.34	.06			T.							2.25
Belvidere	Delaware	.09				.82	.32																T.										1.23
Boonton[3]	Passaic	.97				T.	1.48																										2.45
Bridgeton	Delaware	.03				.91	.06								T.						.09	.20									.06		1.35
Burlington	....do	.04				1.16	.12															.07	T.	T.									1.39
Camden[2]	Delaware					1.23		T.				T.		T.	.01					T.	T.	.08	.21										1.53
Canoe Brook[3]	Passaic	.98					1.51																	.10									2.59
Charlotteburg	Passaic	.10				1.16	.61			T.				T.																			1.87
Chatham[3]	..do	1.08					1.42																T.	.16									2.66
Clayton	Delaware	.08				1.12	.19															.17											1.56
Culvers Lake	...do	T.				.94	.68					T.												T									1.62
Dover	Passaic					1.95				T.		.01		T.								T											1.96
Egg Harbor City	Mullica					1.80									.01							.22	.02										2.05
Elizabeth	Coast	.10				1.20	.08					T.										T.	.01	.04									1.43
Flemington	Raritan	.08				1.23	.42		T.	T.				T.						T.		T.	.08										1.81
Freehold	.do	.07				1.35	.02		T.															.08									1.52
Hammonton	Mullica					1.50	.15		T.						T.							.23	T.								T.		1.88
Hightstown	Raritan	.09				1.52	.14								T.					T.		.03	T.	.06									1.84
Indian Mills	Mullica	.04				1.38	.07							T.	.01							.09	.08	T.									1.67
Jersey City	Coast	.09				1.42	.08	T.						T.								T.		T									1.59
Lakewood	Metedeconk	.10				1.43	.02															T.	02	.03									1.60
Lambertville(nr).	Delaware																																
Layton(near)	....do	.09				1.41	.13			T.				T.																			1.63
Little Falls[3]	Passaic	.93				.22	1.32																										2.47
Long Branch[2]‡	Coast					1.58				T.		T.		T.								T.	.02								T.		1.60
Long Valley	Raritan	.86					1.75	.74															T.										3.35
Moorestown[3]	Delaware	2.00	T.			.04	1.33								T.							.06	.08	.12									3.63
Newark[1]	Coast					1.41		T.		T.		T.										T.	T.										1.41
New Brunswick	Raritan	.09				1.42	.10															.03	T.	.10									1.74
New Milford[2]‡	Hackensack					1.33																											1.33
Newton	Delaware	.10				1.50	.20					T.																					1.80
N. Merchantville	Delaware					1.30						T.		T.	.01					T.		.12	.25										1.68
Paterson	Passaic																																
Pemberton	Delaware	.07				1.47	.11								T.							.02	.02	.03									1.72
Phillipsburg	....do					.84		T.		T.		T.		T.						T.		T.	T.										0.84
Plainfield	Raritan					1.50	.12		T.					T						T.		.01	*	.20									1.83
Pleasantville[3]	Coast	1.19	.02			.24	1.60								.02					T.		.12	.08	T.		T.							3.27
Ridgefield[2]	Hackensack					1.38								T.								T.	.01										1.39
Runyon	Coast	.16				1.28	.16																	.13									1.73
Sandy Hook[1]‡	Coast					1.29						T.								T.		T.	.04										1.33
Somerville(near)	Raritan	.09				1.63	.36		T.													.04	.22	.01									2.35
Sussex	Hudson	.08				1.13	.47			.01		T.		T.																			1.69
Toms River	Coast	.07				1.50	.02																.06										1.65
Trenton[1]‡	Delaware					1.48		T.				T.		T.	T.					T.		.05	.06								T.		1.59
Trenton No. 2[2]	....do					1.93		T.				T		T.	T.					T.		.07	.05								T.		2.05
Tuckerton	Coast					1.59	.04								T								.43										2.06
Vineland	Maurice	1.13				.16	1.11			T.					.01							.06	.38										2 85
Woodcliff Lake[2]‡	Hackensack					1.38																											1.38
Woodstown	Delaware	.10				.70	.10														T.	T.											0.90
New York, N. Y[1]‡	Coast	T.				1.46		T.						T.								T.	.01	T.									1.47
Phila., Pa[1]‡	Delaware					1.03								T.	T.					T.		.08	.15										1.26

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation	.116	.128	.096	*	.064	.064	.160	.096	.064	.064	.112	.064	.004	.064	.048	128	.160	.096	.128	.200	.016	.032	.032	.016	*	*	.160	.080	.032	.056		2.280
	Wind movement	55	35	53	69	116	42	87	63	68	152	51	23	63	64	22	67	38	58	38	172	81	50	63	50	188	56	89	51	12	18		1994
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for November, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	56	60	53	53	53	53	58	61	50	58	60	50	47	46	55	66	66	68	55	48	45	42	48	45	39	43	56	54	50	52	....	53.0
	Minimum	41	43	36	34	39	37	39	43	39	38	41	35	36	33	30	42	47	48	48	41	36	36	36	33	34	33	32	34	33	43	....	38.0
Belleplain	Maximum	56	61	56	54	51	52	58	60	57	62	59	54	...	50	53	66	64	69	66	62	59	56	53	49	46	43	55	53	53	....	....	52.6[b]
	Minimum	34	28	33	26	38	32	34	45	35	23	46	24	...	30	18	24	41	28	42	36	33	32	31	26	32	30	24	24	24	....	....	29.1[b]
Belvidere	Maximum	54	55	47	47	42	52	51	56	44	60	54	50	45	40	47	64	59	66	53	44	37	41	47	49	38	47	57	52	50	53	....	50.0
	Minimum	30	38	27	22	36	35	33	37	33	24	38	28	30	26	24	23	44	25	41	25	27	30	23	23	28	20	33	34	25	28	....	29.7
Boonton§§	Maximum	53	55	47	50	43	48	52	54	42	59	53	48	42	40	53	64	56	66	51	38	37	44	47	44	35	48	48	51	55	53	....	49.2
	Minimum	35	34	33	22	23	36	38	37	36	22	26	24	31	21	22	25	26	27	28	27	27	32	21	21	29	28	26	34	29	29	....	28.3
Bridgeton	Maximum	57	59	50	55	48	52	59	60	50	62	65	52	49	45	53	78	65	70	59	48	38	41	49	43	40	44	55	54	53	50	....	53.4
	Minimum	38	32	35	30	39	32	34	43	36	28	37	28	32	32	25	28	41	32	44	34	32	33	33	30	33	31	28	25	29	32	...	32.9
Burlington	Maximum	55	57	51	50	47	51	56	58	51	63	57	50	46	43	52	66	62	70	64	63	50	41	48	43	41	46	53	55	53	51	....	53.1
	Minimum	37	35	35	28	39	38	36	46	38	27	44	27	34	32	28	26	41	29	29	31	32	32	33	30	34	29	31	37	32	35	....	33.5
Canoe Brook§§	Maximum	53	58	48	50	43	50	53	56	44	59	54	50	45	42	54	66	58	67	53	39	38	42	48	44	37	46	51	53	54	54	....	50.3
	Minimum	32	33	26	16	29	36	29	35	34	19	32	22	25	20	19	20	39	22	30	26	29	33	28	18	30	24	16	32	20	25	....	26.6
Charlotteburg	Maximum	52	56	51	50	48	44	51	54	50	58	55	50	45	37	53	65	62	66	63	47	36	41	41	45	43	40	46	48	53	56	....	50.2
	Minimum	32	30	28	21	30	33	30	38	30	22	40	28	29	22	23	19	44	23	41	22	26	30	31	31	29	32	24	32	33	25	....	29.3
Clayton	Maximum	56	58	52	53	60	51	57	59	53	62	58	50	47	45	51	67	63	66	57	49	37	37	46	46	40	45	54	53	51	50	....	52.4
	Minimum	32	30	33	26	34	34	34	42	36	26	43	25	29	31	22	26	48	31	46	32	30	30	32	28	32	29	30	26	28	31	....	31.9
Dover	Maximum	51	53	44	48	42	47	50	54	40	59	51	48	44	39	52	63	55	66	52	50	40	42	45	42	39	48	47	40	52	55	....	48.6
	Minimum	34	32	31	23	35	35	35	39	31	24	32	28	30	25	25	29	34	26	34	26	29	33	24	27	29	26	33	34	32	29	....	30.1
Elizabeth	Maximum	60	67	56	53	45	54	56	60	57	68	58	54	48	45	55	67	67	69	58	45	39	44	51	52	39	49	55	56	54	55	....	54.5
	Minimum	32	35	30	24	38	36	32	36	35	55	42	24	28	24	25	26	41	28	43	29	33	35	25	30	32	28	22	28	23	28	....	31.6
Flemington	Maximum	55	58	50	49	45	52	55	58	47	62	57	51	45	44	54	66	60	69	60	49	38	42	49	44	41	45	53	55	55	57	....	52.2
	Minimum	34	40	33	26	38	37	37	41	35	26	42	27	30	30	25	25	47	28	46	29	32	32	29	30	32	28	30	36	27	32	....	32.8
Freehold	Maximum	54	56	48	50	46	49	54	57	50	61	58	48	44	41	50	64	56	67	56	44	37	42	45	42	37	47	51	52	51	53	....	50.3
	Minimum	36	37	32	24	38	35	34	44	34	26	43	26	28	27	26	32	44	35	43	31	34	35	28	26	32	28	27	32	28	36	....	32.7
Hammonton	Maximum	56	59	52	54	51	52	58	60	52	64	60	52	51	45	54	67	65	70	60	49	38	41	49	44	38	46	55	55	54	52	....	53.4
	Minimum	33	30	33	25	37	32	31	42	33	23	43	25	30	29	23	28	45	29	46	32	30	30	32	25	31	29	26	26	26	30	.. .	31.1
Hightstown	Maximum	52	56	49	49	46	50	54	57	49	60	56	47	45	42	50	64	58	66	58	47	37	41	46	43	39	48	53	53	50	52	....	50.6
	Minimum	36	38	33	24	38	35	34	44	33	26	42	26	30	29	24	31	45	29	46	30	33	35	28	28	31	26	48	32	28	34	....	32.5
Indian Mills	Maximum	55	57	49	52	49	51	57	60	48	62	59	51	48	44	53	68	62	69	59	46	38	40	46	43	37	45	54	54	53	53	....	52.0
	Minimum	33	30	32	24	38	36	32	46	35	26	43	21	28	30	22	26	43	28	45	33	33	33	32	24	33	30	27	29	28	30	....	31.7
Jersey City	Maximum	54	56	53	48	47	49	53	58	50	63	56	50	47	43	53	67	63	69	65	49	39	43	49	44	41	46	51	54	53	57	....	52.3
	Minimum	39	45	36	30	38	38	39	38	38	35	47	35	37	28	30	37	50	42	48	29	36	34	32	30	31	29	37	36	38	42	....	36.8
Lakewood	Maximum	55	59	53	49	51	51	55	61	49	64	59	50	49	44	53	65	60	69	57	46	39	43	48	43	39	46	54	53	53	56	...	52.4
	Minimum	35	33	33	25	40	33	33	46	35	22	45	27	29	28	26	28	44	28	46	34	36	35	29	26	33	29	27	32	27	29	....	32.4
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton (near)	Maximum	52	55	45	49	39	45	53	54	40	59	52	49	40	37	41	65	56	68	50	36	35	41	45	41	35	49	45	48	56	48	....	47.6
	Minimum	29	34	26	16	30	34	33	38	28	20	38	22	26	20	19	18	34	21	32	20	27	32	21	14	24	12	30	34	31	25	....	26.2
Little Falls§§	Maximum	53	57	48	54	43	48	54	57	43	61	55	50	44	42	55	66	59	67	51	39	39	43	47	43	40	48	51	52	54	55	....	50.6
	Minimum	36	34	31	23	37	36	37	42	36	24	37	27	27	22	25	25	48	40	40	26	30	34	25	24	30	26	23	30	26	28	....	31.0
Long Branch*	Maximum	53	57	50	49	49	50	55	59	45	65	59	49	46	43	52	66	58	68	54	42	38	43	46	42	37	45	52	53	50	54	....	51.0
	Minimum	37	39	35	33	40	35	35	42	29	28	38	30	33	29	28	34	36	32	42	34	36	35	30	36	34	30	30	33	31	35	....	34.0
Long Valley	Maximum	54	55	46	50	40	50	52	56	43	60	53	48	45	40	51	65	57	66	50	35	40	41	47	45	35	50	49	52	54	55	....	49.5
	Minimum	31	35	20	23	24	35	30	35	33	22	32	25	27	25	23	21	35	24	35	27	28	30	23	22	29	24	29	33	29	27	....	27.9
Moorestown	Maximum	55	57	48	50	45	52	56	59	48	62	53	50	45	42	52	68	61	70	53	42	36	39	47	42	36	46	53	53	52	51	....	50.8
	Minimum	36	37	31	26	37	38	35	41	29	26	40	26	31	30	26	31	36	32	42	31	33	33	32	33	32	30	33	34	33	35	....	33.0
Newark*	Maximum	53	57	48	49	45	50	54	58	43	61	55	49	43	41	53	66	58	67	52	38	38	43	47	42	36	46	51	52	52	55	....	50.1
	Minimum	36	42	35	31	38	39	39	40	30	30	35	31	30	29	31	34	40	37	35	29	32	32	28	30	32	28	34	38	37	37	....	34.0
New Brunswick	Maximum	54	56	50	49	46	50	55	58	49	61	55	50	46	42	50	65	61	69	62	48	37	42	47	43	38	46	52	53	52	56	....	51.4
	Minimum	34	33	34	26	37	36	36	43	35	26	42	28	31	29	25	29	44	29	46	29	33	35	29	29	31	27	30	35	30	34	....	32.8
Newton	Maximum	52	50	46	43	39	46	51	49	41	55	51	50	40	36	53	62	56	63	57	37	32	37	41	35	32	45	42	45	52	52	....	46.3
	Minimum	32	39	29	20	32	32	35	39	30	25	39	25	29	20	20	30	40	41	35	21	25	28	25	21	25	20	29	32	30	34	....	29.4
N. Merchantville*	Maximum	57	59	50	50	46	51	58	60	49	65	56	53	48	45	52	68	62	71	54	40	37	39	47	43	37	47	53	55	53	50	....	51.8
	Minimum	39	39	34	29	39	39	37	42	34	30	42	30	37	32	30	34	40	38	40	31	32	33	33	30	33	31	35	35	37	36	....	35.0
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	56	59	51	52	48	53	57	60	51	64	59	52	47	45	52	67	62	69	55	49	38	40	49	43	39	47	55	55	52	52	....	52.6
	Minimum	35	32	33	27	39	36	33	44	35	26	43	25	31	30	24	25	45	30	46	32	32	34	33	28	32	30	27	34	28	34	....	32.8
Phillipsburg	Maximum	53	54	45	47	42	50	52	56	49	60	54	47	45	40	49	63	46	65	52	38	37	42	46	44	37	44	49	54	52	50	....	48.7
	Minimum	33	37	31	25	37	38	36	40	32	26	36	28	30	30	25	25	33	28	35	28	30	32	27	25	30	24	27	37	28	31	....	30.8
Plainfield	Maximum	53	59	52	53	45	52	57	58	48	61	50	51	47	43	52	67	60	68	54	43	38	41	48	46	36	49	52	54	55	57	....	51.6
	Minimum	35	36	34	27	38	36	35	38	36	26	40	27	33	27	26	28	38	29	40	29	32	33	27	29	31	27	27	35	30	32	....	32.0
Pleasantville§§	Maximum	60	62	62	56	53	55	61	63	52	62	62	54	55	46	57	69	65	74	53	48	45	45	50	45	40	46	58	56	54	58	....	55.5
	Minimum	37	32	34	29	37	31	32	33	32	23	44	25	28	28	23	24	39	28	42	39	40	35	34	27	35	32	25	30	25	36	....	32.0
Ridgefield*	Maximum	54	57	49	50	44	47	54	57	46	60	56	49	44	41	50	65	57	67	52	46	38	42	46	42	36	45	50	51	51	53	....	50.0
	Minimum	36	42	33	26	37	37	36	46	29	29	45	28	31	25	26	31	47	34	46	28	33	34	29	30	32	23	31	32	30	35	....	33.5
Runyon	Maximum	56	54	56	52	42	45	49	56	54	48	54	49	43	59	57	65	57	67	54	38	42	48	46	46	44	42	46	49	53	54	....	50.5
	Minimum	44	30	26	16	37	36	30	33	29	26	36	19	19	24	19	17	44	24	26	20	34	33	23	26	23	26	15	22	17	23	....	26.6
Sandy Hook*	Maximum	52	55	49	48	48	49	53	56	44	60	59	47	44	41	49	60	55	62	51	39	39	43	45	42	37	44	50	50	47	50	....	48.9
	Minimum	42	46	40	37	40	40	40	43	38	36	38	36	33	30	32	39	42	40	39	32	36	37	33	36	33	35	37	37	37	40	....	37.5
Somerville (near)	Maximum	52	56	50	50	42	51	54	57	45	60	53	50	45	43	52	54	59	67	53	43	37	42	47	45	35	45	52	53	53	52	....	49.9
	Minimum	32	40	32	26	36	34	32	43	32	25	40	27	29	26	22	31	43	36	41	26	31	31	27	21	38	22	28	33	29	36	....	31.3
Sussex	Maximum	52	54	48	48	45	45	53	55	49	59	55	50	42	39	52	66	57	67	58	44	35	42	47	43	39	48	47	49	55	53	....	49.9
	Minimum	32	37	31	19	33	34	37	38	33	24	40	26	31	19	21	24	42	26	39	23	27	32	20	20	27	17	23	35	30	28	....	28.9
Trenton*	Maximum	55	55	47	48	46	50	56	58	45	61	56	49	44	41	51	65	59	68	54	38	37	41	45	41	36	46	51	53	51	51	....	49.9
	Minimum	37	42	34	29	37	38	37	41	34	33	37	31	35	32	30	33	42	37	38	31	32	35	33	30	33	30	34	38	36	38	....	34.9
Trenton No. 2*	Maximum	55	57	49	50	46	56	55	58	46	62	56	50	46	42	52	65	59	68	52	42	37	42	46	45	39	48	53	53	52	52	....	51.1
	Minimum	36	40	34	26	38	37	35	41	33	29	42	29	34	31	27	32	38	33	40	30	32	34	30	28	32	28	31	36	32	38	....	33.5
Tuckerton	Maximum	58	60	53	54	52	52	54	60	56	60	59	55	47	46	55	67	68	72	63	48	42	42	52	43	42	41	55	55	53	53	....	53.9
	Minimum	35	35	33	28	40	33	34	40	35	28	45	30	29	30	28	32	48	35	48	38	40	35	33	31	35	30	28	30	29	32	....	34.2
New York, N. Y.*	Maximum	52	57	49	51	49	47	52	57	43	61	56	49	43	41	54	65	58	65	56	42	41	43	46	44	39	43	50	52	51	55	....	50.4
	Minimum	38	42	36	33	36	40	38	40	36	35	36	33	31	28	29	38	47	43	39	32	35	35	33	36	31	30	35	35	39	41	....	36.0
Philadelphia, Pa.*	Maximum	56	57	51	50	47	51	56	57	50	62	57	50	47	46	50	68	64	70	58	41	39	39	48	43	38	49	54	55	55	51	....	52.0
	Minimum	40	42	35	33	39	40	39	43	38	37	42	35	37	33	33	37	49	45	41	33	33	34	37	34	34	34	36	39	39	43	....	37.8

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

N J

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLIV. DECEMBER, 1939. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

December was characterized by mild weather during the first eleven days. It was also mild from about the 17th to 21st, after which the remainder of the month was somewhat below normal in temperature. The warmest day was the 10th when readings in the sixties were registered generally over the State. The coldest weather at most stations occurred on the 27th and 28th At only one station, however, did the temperature fall to zero; —1° was registered at Layton on the 28th. During this cold spell, the Delaware River froze over solidly. Coasting and skating parties were common during the holiday week.

Precipitation was again deficient as in November preceding. The average for the State was only 42 percent of normal for December, and for November and December combined, only about half the normal amount for the two months was received. Consequently subsoil is quite dry. There was near the usual number of days with precipitation and sunshine was about normal. Snow fell in measurable amounts on the 13th, 22d, 27th, and 30th, the average amount for the State being slightly less than normal. The principal snowstorms occurred on the two latter dates and were general over the State. Previous to the 27th, there was no snow cover of consequence. Winds reached gale force in the coastal area on the 8th, but no damage of importance was reported from that source.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 35.2°, which was 1.5° above normal. The highest temperature was 69° at Pleasantville on the 10th, and the lowest, —1°, at Layton on the 28th. The greatest daily range of temperature was 43° at Runyon on the 1st. The highest monthly mean temperature was 39.1° at Atlantic City, and the lowest, 30.0° at Layton.

The temperature departure from the normal for the year, 1939, to date, for the State is +1.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 48 stations, was 1.54 inches, which was 2.11 inches below normal. The average total snowfall at 22 selected stations was 3.9 inches, which was 1.8 inches below normal. The greatest monthly precipitation was 3.02 inches, at Belvidere, and the least, 0.91 inch at Pemberton. The greatest amount of precipitation in any 24 consecutive hours was 1.20 inches at Belvidere on the 20th.

The precipitation accumulated departure from the normal for the year, 1939, to date, for the State is —2.40 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 19, 20, 30.
SLEET: 13, 14, 15, 16.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	29 92	30.49	15	29.45	20	16.6	45	nw.	8	75	57	67	53
Long Branch	29.88	30.46	15	29.36	3	14.1	50	nw.	8	73	59	63	40
Ridgefield	29.86	30.45	15	29.38	20		....	...	....	....	....	....	....
Sandy Hook	29.87	30.47	15	29.37	3	16.6	51	nw.	8	77	65	69	43
Trenton	29.89	30.50	15	29.40	20	9.7	31	nw.	8	72	57	61	53

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	.. .. .	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	**41.5**	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	**7.30**	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	**21.1**	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	**72**	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	0	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	**24.8**	54	**−21**	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	**T.**	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	**72**	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	13	6	12
1938	34.8	67	1	2.80	1.4	10	11	6	14
1939	35.2	69	−1	1.54	3.9	8	10	8	13
Period	33.7	72	−21	3.65	5.7	9	12	9	10

Climatological Data for December, 1939

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr: Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Precipitation in inches: Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	No. of days: Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	Observers
Atlantic City	Atlantic	8	66	39.1	+2.7	61	10	18	27	26	1.33	−2.61	0.40	5.6	8	9	12	10	w.	U. S. Weather Bureau
Belleplain	Cape May	49	45	37.8	+2.7	66	10	10	28	38	1.11	−2.89	0.30	5.5	7	15	5	11	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	48	33.4	+2.6	55	4	11	28	30	3.02	−0.89	1.20	3.6	9	15	2	14	......	Miss C. S. Hixson.
Boonton	Morris	280	§49	32.4	+3.1	57	10	7	28	31	1.75	−1.95	0.55	......	8	7	6	18	sw.	John Kline.
Bridgeton	Cumberland	30	56	37.4	+1.3	68	10	16	27†	31	1.44	−2.26	0.30	7.0	9	16	3	12	nw.	Bennett K. Matlack
Burlington	Burlington	12	§53	37.2	+2.3	64	10	15	27†	26	1.01	−2.94	0.23	1.3	9	11	8	12	nw.	Public Service G. & E. Co.
Camden	Camden	20	7	......	......	......	......	......	......	....	1.01	....	0.28	3.1	9	3	12	16	sw.	Central Airport, Inc
Canoe Brook	Essex	180	9	32.3	......	63	10	3	31	37	1.55	....	0.36	....	8	13	9	9	nw.	N. J. Water Policy Comm.
Charlotteburg‡‡	Passaic	760	47	32.2	+2.1	62	18	4	28	33	2.00	−2.00	0.75	2.2	8	11	6	14	w.	Newark Water Dept
Chatham	Morris	185	35	......	......	......	......	......	......	....	1.89	−2.28	0.56	3.2	9	7	12	12	......	Paul Molitor, Sr.
Clayton	Gloucester	120	26	37.0	+2.7	66	10	11	31	33	1.35	−2.34	0.55	7.3	5	6	6	19	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	38	......	......	......	......	......	......	....	2.66	−0.68	0.90	4.5	8	....	....	....	....	L. S. Depue.
Dover	Morris	600	55	32.4	+2.3	58	10	8	28	28	2.42	−1.76	0.71	3.5	7	6	12	13	....	William C. Harris
Egg Harbor City	Atlantic	63	17	......	......	......	......	......	......	....	1.08	....	0.32	5.5	7	18	5	8	......	Chas. E. Hall.
Elizabeth	Union	34	60	35.0	+1.4	62	10	9	28	33	1.84	−2.08	0.52	3.0	8	10	3	18	nw.	Union County Park Comm
Flemington	Hunterdon	140	§53	35.4	+2.9	63	10	9	31	30	2.06	−1.60	0.76	2.4	9	15	4	12	nw.	Hiram E. Deats
Freehold	Monmouth	194	¶35	35.4	......	64	10	9	28	26	0.96	−2.76	0.26	3.2	8	16	9	6	w.	Morcau Plant Co.
Hammonton	Atlantic	95	§33	36.6	......	68	10	11	28	35	1.27	−2.71	0.40	6.5	8	15	8	8	w.	J. G. Wilson.
Hightstown	Mercer	110	46	35.6	+2.7	60	10	10	28	24	0.99	−2.55	0.25	4.4	10	10	12	9	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	50	36.5ᵃ	+2.5	67	10	......	......	27	1.10	−3.01	0.23	5.3	9	8	13	10	w.	Edward Entwistle.
Jersey City	Hudson	81	41	37.8	+3.3	60	10	12	28	26	1.25	−2.40	0.40	3.4	8	6	11	14	nw.	Jersey Journal.
Lakewood	Ocean	54	35	36.4	+2.5	66	10	12	28	32	1.20	−2.99	0.30	5.2	10	8	7	16	nw.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	52	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	38	30.0	+1.9	53	10†	−1	28	33	1.92	−1.45	0.85	4.0	7	6	4	21	ne.	A. M. Depue.
Little Falls	Passaic	157	§36	34.8	+2.4	60	10	9	28	32	1.69	−2.25	0.30	3.1	9	10	11	10	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	31	36.1	+1.9	66	10	13	28	26	1.24	−2.91	0.40	4.2	10	5	9	17	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	9	31.7ᵃ	......	60	10	6	31	33	2.17	....	0.84	2.0	8	12	10	9	nw.	R. H. Johnson.
Moorestown	Burlington	62	76	36.2	+2.5	65	10	15	27	32	0.92	−2.85	0.25	4.0	8	7	12	12	nw.	Japanese Beetle Laboratory
Newark	Essex	10	40	35.1	+1.7	61	10	13	27	30	1.45	−2.51	0.49	2.1	9	2	12	17	....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	86	35.5	+2.1	60	10	12	28	26	1.13	−2.41	0.25	1.8	8	10	10	11	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	21	......	......	......	......	......	......	....	1.90	−1.10	0.55	2.4	5	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	56	30.6	+0.4	53	1	3	28	28	2.10	−1.31	0.86	6.0	9	8	7	16	nw.	Irving J. Kern.
N. Merchantville	Camden	63	5	37.1	......	64	10	15	27	28	1.29	....	0.33	3.0	11	8	8	15	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	E. Stanulis, Evening News
Pemberton	Burlington	55	9	37.2	......	64	10	15	27	26	0.91	....	0.29	1.4	8	13	4	14	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§56	34.2	+2.7	58	10	15	27†	28	2.73	−0.70	1.05	4.7	7	10	9	12	......	Town Engineer.
Plainfield	Union	120	51	35.1	+2.3	61	10	11	28	28	1.43	−2.44	0.38	3.6	7	8	10	13	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§41	37.4	+2.2	69	10	12	28	36	1.29	−2.64	0.32	4.7	13	15	7	9	w.	N. J. Water Policy Comm.
Ridgefield	Bergen	80	22	34.5	+3.2	60	10	10	28	29	1.73	−2.08	0.42	3.3	9	7	9	15	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	16	33.2	+1.1	64	10	5	31	43	0.98	−2.36	0.26	3.5	8	12	14	5	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	41	36.0	+0.8	58	10	14	27	24	1.01	−3.03	0.28	2.8	8	6	12	13	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	56	34.8	+2.3	61	10	7	28	27	1.66	−2.05	0.51	3.0	7	14	7	10	nw.	Richard H. Rogers.
Sussex	Sussex	450	44	31.7	+1.8	50	10†	4	28	27	2.27	−0.70	0.88	4.8	6	11	7	13	nw.	Marshall Hunt.
Toms River	Ocean	33	18	......	......	......	......	......	......	....	1.00	....	0.70	......	3	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	67	36.0	+1.6	61	10	14	27	26	1.49	−1.86	0.33	4.9	12	6	10	15	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	9	36.0	......	61	10	13	31	23	1.34	....	0.34	4.6	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	46	38.0	+2.8	66	10	18	12†	26	1.03	−3.30	0.42	0.5	9	16	3	12	nw.	John H. Brown.
Vineland	Cumberland	109	11	......	......	......	......	......	......	....	1.39	−2.23	0.35	4.5	10	....	....	....	......	Edward H. Ladd.
Woodcliff Lake‡‡	Bergen	103	21	......	......	......	......	......	......	....	1.94	−1.05	0.54	2.2	5	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	5	......	......	......	......	......	......	....	......	....	......	......	....	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	69	36.2	+1.2	59	10	12	28	29	1.22	−2.40	0.34	3.8	8	8	9	14	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	68	38.1	+1.8	63	10	17	27	30	1.18	−2.25	0.32	2.9		6	9	16	nw.	U. S. Weather Bureau.
For the State	......	......	....	35.2	+1.5	69	10	−1	28	43	1.54	−2.11	1.20	3.9	8	10	8	13	nw.	

† On other dates also. § Length of precipitation record; temperature record is much shorter. § Incomplete. ¶ Length of precipitation only.

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Northfield is Pleasantville; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-1-31-40-900

ERRATA.

November, 1939 Belleplain: mean maximum temperature, 56.3°; mean minimum temperature, 31.2°; monthly mean temperature, 43.8°; departure, −0.6°. Long Valley: number of days with .01 inch or more of precipitation, 3.

Daily Precipitation for December, 1939

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City¹‡	Coast	T.	.14	.01	....	....	.02	....	....	....	....	T.	....	.20	....	....	T.	....	....	....	.35	T.	T.	....	....	....	....	.40	....	.06	.15	....	1.33
Belleplain	Tuckahoe	....	.12	T.	....	....	.07	....	....	....	....	.04	....	.30	....	....	....	....	....	....	.16	T.	....	....	....	....	....	.28	....	....	.14	....	1.11
Belvidere	Delaware	....	.41	.32	....	....	T.	....	....	....	....	.54	....	.32	.05	....	....	T.	....	....	1.20	....	.05	....	....	.01	....	....	....	....	.12	T.	3.02
Boonton³	Passaic	....	.35	.13	T.	....	....	....	T.	....	....	.30	....	....	.24	....	....	....	....	....	.04	.55	.02	....	....	T.	T.	....	....	....	.12	....	1.75
Bridgeton	Delaware	....	.17	.19	....	....	.06	....	....	....	....	.10	....	.23	.11	....	....	....	....	....	.23	T.	....	....	....	....	....	.30	....	....	.05	....	1.44
Burlington	....do	....	.22	.10	....	....	T.	....	....	....	....	.05	....	.05	.10	....	.03	....	....	....	.23	T.	T.	....	....	....	....	.10	....	....	.03	....	1.01
Camden²	Delaware	.01	.26	.06	....	T.	T	T.	T.	....	.03	....	....	.28	....	....	T.	T.	....	....	.26	T.	T.	....	....	....	....	.05	....	.01	.05	T.	1.01
Canoe Brook³	Passaic	....	.28	.13	....	....	....	....	....	....	....	.21	....	....	.27	....	....	....	....	....	.06	.36	.05	....	....	....	....	....	....	....	.19	....	1.55
Charlotteburg	Passaic	....	.36	.10	....	....	....	....	.06	....	....	.44	....	.13	....	....	....	....	....	....	.75	....	....	....	....	.02	....	T.	....	....	.14	....	2.00
Chatham³	..do	....	.28	.12	.03	....	....	T.	.04	....	....	.24	....	....	.30	....	....	....	....	....	T.	.56	.05	....	....	....	....	T.	....	....	.27	....	1.89
Clayton	Delaware	....	.15	.15	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.55	....	....	....	....	....	....	.22	....	....	.28	....	1.35
Culvers Lake	...do	....	.37	.47	....	....	....	....	.04	....	....	.40	....	.29	.06	....	....	....	....	....	.90	....	T.	....	....	....	....	T.	....	....	.13	....	2.66
Dover	Passaic	....	*	.66	....	....	....	....	T.	....	.40	....	....	.30	....	....	....	....	....	....	.71	....	.10	....	....	....	....	....	....	....	.25	....	2.42
Egg Harbor City	Mullica	....	.12	.02	....	....	....	....	....	....	....	....	....	.25	....	....	....	....	....	....	.17	....	....	....	....	....	....	.32	....	.01	.19	....	1.08
Elizabeth	Coast	....	.32	.03	....	....	T.	....	T.	....	....	.20	....	.17	.14	....	....	T.	....	....	.38	....	.08	....	....	T.	....	T.	....	....	.52	T.	1.84
Flemington	Raritan	....	.39	.19	....	....	.02	....	....	....	....	.15	....	.27	.09	....	T.	....	....	....	.76	....	.05	....	....	T.	....	T.	....	....	.14	....	2.06
Freehold	.do	....	.15	.18	....	....	.01	....	....	....	....	.05	....	.08	....	....	....	....	....	....	.26	T.	.02	....	....	T.	....	.01	....	....	.20	....	0.96
Hammonton	Mullica	....	.21	.08	....	....	.03	....	....	....	....	.02	....	.26	T.	....	....	....	....	....	.15	....	T.	....	....	....	....	.40	....	....	.12	....	1.27
Hightstown	Raritan	....	.25	.07	....	....	.01	....	....	....	....	.03	....	.11	.14	....	T.	T.	....	....	.18	T.	.04	....	....	T.	....	.04	....	....	.12	T.	0.99
Indian Mills	Mullica	....	.16	.10	....	....	.02	....	....	....	....	.02	....	.23	.04	....	....	T.	....	....	.20	T.	T.	....	....	....	....	.21	....	....	.12	....	1.10
Jersey City	Coast	....	.23	T.	....	....	....	....	T.	....	....	.14	....	.17	.08	....	T.	T.	....	....	.40	....	.04	....	....	T.	....	.01	....	....	.18	T.	1.25
Lakewood	Metedeconk	....	.15	.10	....	....	.02	....	T.	....	....	T.	....	.22	.04	....	....	.04	....	....	.20	T.	.02	....	....	T.	....	.11	....	....	.30	....	1.20
Lambertville(nr.)	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	....do	....	.23	.30	....	....	....	....	....	....	.02	....	....	*	.39	....	....	....	....	....	.85	....	T.	....	....	T.	....	....	....	....	.13	....	1.92
Little Falls³	Passaic	....	.28	.19	....	....	T.	....	....	....	....	.30	....	....	.25	....	....	.01	....	....	.20	.25	.01	....	....	T.	....	....	....	....	.20	....	1.69
Long Branch²‡	Coast	.01	.19	.06	....	....	T.	....	T.	....	.01	T.	....	.28	....	....	T.	T.	....	....	.40	T.	.01	....	....	.01	....	.02	....	T.	.25	....	1.24
Long Valley	Raritan	....	.11	.30	....	....	....	....	T.	....	....	.27	....	....	.41	....	....	....	....	....	.28	.56	....	.11	....	....	T.	....	....	....	.13	....	2.17
Moorestown³	Delaware	....	.09	....	.11	.04	T.	....	....	....	....	.02	....	....	.25	....	....	....	....	....	....	.19	....	....	....		....	....	.12	....	.10	....	0.92
Newark¹	Coast	.03	.25	.01	....	....	T.	....	T.	....	.15	T.	....	.33	....	....	T.	T.	....	....	.49	T.	.01	....	....	T.	....	T.	....	.05	.13	T.	1.45
New Brunswick	Raritan	....	.25	.03	....	....	T.	....	T.	....	....	.07	....	.15	.19	....	T.	....	....	....	.25	T.	.03	....	....	T	....	T.	....	....	.16	....	1.13
New Milford²‡	Hackensack	....	.47	....	....	....	....	....	....	....	.34	....	....	.30	....	....	....	....	....	....	.55	....	T.	....	....	....	....	....	....	....	.24	....	1.90
Newton	Delaware	....	.03	.39	T.	....	.02	....	.07	....	....	.33	....	.28	T.	....	....	....	....	....	.86	T.	.04	....	....	T	....	T.	....	....	.08	T.	2.10
N. Merchantville²‡	Delaware	T.	.33	.08	....	T.	.02	.01	.03	....	.05	....	....	.26	....	....	T.	....	....	....	.26	T.	T.	....	....	T.	....	.14	....	.02	.09	T.	1.29
Paterson	Passaic	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Delaware	....	.21	.08	....	....	.01	....	T.	....	....	....	....	.13	.17	....	....	....	T.	....	.19	....	T.	....	....	....	....	.03	....	....	.09	....	0.91
Phillipsburg	....do	.04	.63	....	....	....	T.	T.	....	....	.25	....	....	.43	....	....	....	T.	....	....	1.05	T.	.09	....	....	T.	....	....	....	T.	.24	T.	2.73
Plainfield	Raritan	T.	.34	T.	....	....	T.	....	.02	....	T.	.20	....	.28	....	....	T.	....	....	....	.38	....	.03		....	T.	....	T.	....	....	.18	T	1.43
Pleasantville³	Coast	.04	.09	.13	.02	....	.04	.01	....	....	....	.02	....	....	.22	....	....	....	....	.02	.05	.18	T.	....	....	....	....	T.	.32	....	.15	....	1.29
Ridgefield²	Hackensack	T.	.35	.09	....	....	T.	T	....	....	.10	.24	....	.28	....	....	.01	....	....	....	.42	....	.03	....	....	T.	....	T	....	T.	.21	T.	1.73
Runyon	Coast	....	....	.16	.07	....	....	....	....	....	....	....	....	.10	.26	....	....	....	....	....	.22	T.	T.	....	....	.02	....	.05	....	....	.10	....	0.98
Sandy Hook¹‡	Coast	T.	.19	.04	....	....	T.	T.	T.	....	.05	T.	....	.28	....	....	T.	....	....	....	.24	T.	.01	....	....	T.	....	.02	....	....	.18	T.	1.01
Somerville(near)	Raritan	....	.34	.14	....	....	....	....	T.	....	....	.19	....	.29	.03	....	....	....	....	....	.51	....	T.	....	....	T.	....	....	....	....	.16	....	1.66
Sussex	Hudson	....	.20	.29	....	....	T.	....	T.	....	T.	.42	....	.23	T.	....	....	....	....	....	.88	....	T.	....		T.	....	....	....	....	.25	T.	2.27
Toms River	Coast	....	.20	....	....	....	....	....	....	....	....	....	....	....	.10	....	....	....	....	....	.70	....	....	....	....	....	....	....	....	....	....	....	1 00
Trenton¹‡	Delaware	.01	.21	.05	....	....	.02	T.	T.	....	.06	T.	....	.32	....	....	.01	T.	....	....	.33	T.	.05	....	....	T.	....	.16	....	.05	.22	....	1.49
Trenton No. 2²	....do	T.	.26	.02	....	....	.02	T.	....	....	.06	T.	....	.33	....	....	T.	T.	....	....	.34	T.	.01	....	....	T.	....	.16	....	.02	.12	....	1.34
Tuckerton	Coast	....	.21	.08	....	....	.03	....	....	....	....	....	....	.03	.18	....	....	....	....	....	.42	.03	T.	....	....	....	....	.04	....	....	.01	....	1.03
Vineland	Maurice	....	.10	.07	.10	....	.03	....	....	....	....	.03	....	....	.24	....	....	....	....	....	.15	.21	....	....	....	....	....	T.	.35	....	.11	....	1.39
Woodcliff Lake²‡	Hackensack	....	.54	....	....	....	....	....	....	....	.42	....	....	.22	....	....	....	....	....	....	.54	....	T.	....	....	....	....	....	....	....	.22	....	1.94
Woodstown	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y¹‡	Coast	T.	.26	T.	....	....	T.	T.	T.	....	.10	.02	....	.25	....	....	T.	T.	....	....	.34	....	.03	....	....	T.	....	.02	....	T.	.20	T.	1.22
Phila., Pa¹‡	Delaware	T.	.26	.04	....	....	T.	T.	....	....	.04	....	....	.32	....	....	T.	T.	....	....	.31	T.	T.	....	....	....	....	.12	....	.02	.07	T.	1.18

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a. m. ² Precipitation for period from midnight to midnight. ³ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville³	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ³ Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for December, 1939

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	49	53	52	48	43	46	56	52	52	61	53	40	50	45	39	45	53	57	52	54	42	40	42	34	40	41	28	35	37	35	36	45.5
	Minimum	36	48	41	37	37	37	35	37	33	45	27	22	35	31	25	38	42	38	45	41	32	32	27	24	25	28	18	20	28	30	21	32.7
Belleplain	Maximum	54	56	55	51	48	46	54	54	50	66	60	55	52	47	44	45	54	57	62	57	54	54	48	45	42	39	37	34	39	38	36	49.5
	Minimum	23	41	39	33	34	26	23	39	27	39	34	17	19	31	16	23	30	33	30	32	30	29	25	21	19	27	16	10	15	12	12	26.0
Belvidere	Maximum	41	47	47	55	45	42	48	51	45	53	49	37	36	39	37	40	49	50	42	47	44	33	36	30	37	36	30	34	29	34	30	41.1
	Minimum	22	35	34	35	32	30	27	36	25	32	19	19	26	32	17	23	27	36	30	37	31	27	23	17	23	23	13	11	18	24	14	25 7
Boonton§§	Maximum	50	54	48	46	41	38	51	41	45	57	41	38	38	38	38	41	54	49	44	47	37	31	35	31	39	34	17	34	36	35	31	40.6
	Minimum	22	23	43	35	34	29	25	31	28	29	33	17	17	24	19	21	27	30	27	35	33	26	27	16	17	23	9	7	10	25	11	24.3
Bridgeton	Maximum	47	55	53	48	44	43	55	53	53	68	55	39	50	45	39	46	52	58	59	57	44	41	42	35	39	42	36	32	37	34	35	46.3
	Minimum	28	41	40	31	35	31	27	36	28	37	32	20	25	30	25	27	30	33	34	40	28	30	28	23	21	28	16	16	22	24	18	28.5
Burlington	Maximum	48	53	55	46	43	42	53	54	50	64	57	39	45	44	39	44	57	54	50	58	46	37	40	37	37	39	36	33	35	35	32	45.2
	Minimum	26	42	40	35	36	32	28	40	28	38	34	20	25	34	24	28	32	38	33	39	31	31	29	21	21	25	15	16	17	29	15	29.1
Canoe Brook§§	Maximum	48	54	50	46	50	38	50	43	50	63	38	39	38	40	39	42	56	52	45	42	40	34	38	41	45	36	18	34	36	34	32	42.3
	Minimum	17	30	40	32	34	23	18	32	25	26	37	15	17	25	13	19	23	29	22	31	31	25	22	16	18	17	8	4	13	26	3	22.3
Charlotteburg	Maximum	52	55	50	52	41	37	47	49	46	57	53	35	37	36	38	39	55	62	48	44	44	33	34	34	35	34	28	33	33	35	33	42.2
	Minimum	19	38	36	36	30	26	20	31	23	29	27	12	18	25	11	16	23	34	21	35	29	22	24	12	17	17	8	4	11	21	16	22.3
Clayton	Maximum	49	55	54	46	43	45	53	55	53	66	59	38	47	43	40	46	52	55	59	57	46	39	40	36	38	40	37	31	37	36	33	46.1
	Minimum	25	40	39	32	32	28	25	37	37	33	32	19	34	31	24	26	29	35	32	36	29	30	26	20	18	25	14	15	22	27	11	27.8
Dover	Maximum	51	52	52	44	41	38	48	48	44	58	48	37	36	36	36	39	52	49	43	45	37	32	34	28	37	33	23	31	37	34	36	40.6
	Minimum	25	39	40	35	29	27	23	38	25	36	20	15	23	23	20	24	26	29	27	36	29	25	21	15	19	19	11	8	18	16	11	24.3
Elizabeth	Maximum	53	53	54	48	46	40	51	54	48	62	50	41	43	41	47	45	51	55	48	49	46	43	40	34	42	38	33	31	40	35	34	45.0
	Minimum	24	39	40	32	35	27	23	35	25	29	31	16	22	29	15	23	26	29	29	41	31	26	20	17	17	22	13	9	18	20	11	25.0
Flemington	Maximum	53	50	53	45	44	41	50	50	45	63	55	41	36	40	40	42	53	53	45	47	45	35	39	35	40	39	32	36	35	38	33	43.6
	Minimum	25	38	41	35	35	31	28	37	26	33	32	19	25	32	22	25	27	34	29	39	32	27	26	18	22	23	15	12	21	28	9	27.3
Freehold	Maximum	51	54	50	46	41	41	51	52	47	64	56	36	46	40	37	44	50	51	53	56	45	34	37	38	38	36	24	29	36	34	33	43 5
	Minimum	27	41	39	33	35	31	27	38	27	38	31	16	25	31	18	25	32	33	33	41	31	26	24	18	18	24	12	9	20	27	16	27.3
Hammonton	Maximum	51	57	55	46	42	45	54	55	55	68	65	38	50	43	39	45	53	50	62	60	47	39	41	36	48	47	31	33	38	34	34	47.1
	Minimum	25	41	38	31	30	26	25	38	25	58	30	17	32	24	19	24	33	31	29	34	28	28	22	20	28	23	14	11	15	19	15	26.2
Hightstown	Maximum	48	55	55	45	41	40	51	52	47	60	55	38	45	41	37	44	49	52	50	58	46	35	37	33	39	37	31	28	35	33	31	43.5
	Minimum	24	40	40	34	35	32	28	38	27	38	32	18	27	32	20	27	33	32	30	40	32	27	26	19	20	23	13	10	18	27	17	27.7
Indian Mills	Maximum	51	57	55	46	42	44	53	55	53	67	56	38	48	42	39	45	54	55	59	59	45	36	40	33	38	40	33	33	37	35	33	45.8
	Minimum	25	43	40	33	30	26	26	40	27	41	32	16	21	31	18	22	31	29	31	37	29	29	23	21	19	24	15	....	16	25	17	27.2ᵃ
Jersey City	Maximum	53	54	54	46	44	43	52	44	45	60	57	38	42	41	39	43	52	53	48	52	49	36	38	34	39	37	34	34	36	37	35	44.2
	Minimum	34	48	44	37	37	37	34	36	30	41	31	18	30	31	24	33	37	41	37	42	35	27	29	18	25	27	13	12	25	30	26	31.3
Lakewood	Maximum	54	56	55	46	44	43	53	54	50	66	55	38	49	41	38	45	52	52	60	57	46	36	40	33	41	39	31	32	37	35	34	45.5
	Minimum	26	42	42	32	32	33	26	38	26	41	34	17	23	32	19	22	30	30	28	41	31	28	25	20	21	24	14	12	14	27	18	27.2
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton (near)	Maximum	39	43	48	44	38	38	48	45	44	53	43	41	33	36	35	38	53	46	39	43	42	32	35	25	35	32	23	32	36	33	30	38.8
	Minimum	15	33	33	35	29	27	23	32	17	29	22	13	19	22	10	17	22	31	26	33	28	23	23	13	13	18	7	−1	13	24	8	21.2
Little Falls§§	Maximum	48	58	49	46	44	38	50	42	58	60	37	39	38	39	40	44	56	50	44	47	38	40	46	38	38	38	22	35	40	43	42	43.5
	Minimum	22	32	42	38	34	28	23	35	26	32	36	16	22	29	17	24	27	37	27	37	37	27	27	16	20	21	11	9	14	26	13	26.0
Long Branch*	Maximum	51	54	52	48	42	41	55	46	48	66	49	38	49	41	39	47	53	51	54	55	39	35	38	31	39	37	33	32	37	35	32	44.1
	Minimum	30	46	39	36	35	32	29	32	28	4[illegible]	24	21	27	27	21	29	35	32	32	40	31	28	24	20	21	23	15	13	23	20	15	28.1
Long Valley	Maximum	51	50	47	43	41	37	50	43	45	60	36	40	35	31	36	40	51	50	44	46	....	34	35	30	32	35	18	32	35	34	30	39.7ᵃ
	Minimum	21	27	41	34	32	26	20	32	22	27	34	16	21	30	19	20	26	37	25	34	30	....	23	15	17	22	10	8	11	26	6	23.7ᵃ
Moorestown	Maximum	49	55	51	45	41	41	53	47	52	65	55	38	46	43	38	45	53	57	52	58	40	36	39	31	38	39	26	30	34	34	28	43.8
	Minimum	29	42	39	33	32	32	30	38	28	40	23	19	27	29	24	28	32	38	31	39	31	31	27	21	24	26	15	17	21	20	16	28.5
Newark*	Maximum	49	55	55	46	43	40	51	44	46	61	50	38	42	40	41	44	53	51	45	52	39	35	37	30	40	35	19	35	36	35	32	42.5
	Minimum	30	44	41	34	35	31	28	32	30	37	20	19	27	25	23	30	34	38	34	38	33	29	24	19	22	18	13	13	23	20	16	27.7
New Brunswick	Maximum	50	53	50	47	47	40	50	52	46	60	55	43	43	40	38	43	50	51	48	51	46	39	37	35	34	87	33	31	31	34	32	43.4
	Minimum	27	40	39	32	35	32	26	37	27	36	31	17	25	31	21	26	31	36	31	41	31	27	26	18	20	25	13	12	20	28	16	27.6
Newton	Maximum	53	48	45	48	36	34	44	43	59	49	49	40	34	33	37	35	48	47	36	42	49	29	29	28	34	30	18	30	32	32	25	37.9
	Minimum	26	37	36	35	28	32	29	30	22	36	22	12	21	14	16	22	29	32	28	34	27	22	24	12	16	17	7	3	18	22	14	23.3
N. Merchantville*	Maximum	48	55	50	45	42	41	54	48	52	64	52	40	46	43	38	46	53	56	50	58	40	37	41	31	38	40	25	33	36	35	33	44.2
	Minimum	32	43	38	34	35	33	33	37	31	40	24	21	30	31	26	33	36	37	34	39	32	31	25	22	26	25	15	19	27	23	18	30.0
Paterson	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pemberton	Maximum	51	55	55	46	44	42	53	53	50	64	57	39	47	44	39	47	53	54	54	59	46	38	40	40	38	40	35	31	35	35	34	45.7
	Minimum	26	43	39	33	34	31	27	39	29	39	33	19	24	31	21	26	31	36	34	39	30	30	27	21	22	26	15	16	18	29	18	28.6
Phillipsburg	Maximum	43	49	49	45	41	40	49	51	44	58	48	37	34	38	34	40	52	49	42	46	40	35	37	39	38	36	25	32	36	34	30	41.0
	Minimum	24	40	40	36	35	34	29	36	26	30	22	24	27	28	21	29	29	34	30	39	30	27	24	18	22	26	15	15	26	19	15	27.4
Plainfield	Maximum	48	52	52	47	43	40	50	51	45	61	52	40	41	43	39	44	52	54	47	49	40	36	39	33	35	38	27	33	34	36	35	43.1
	Minimum	26	39	45	33	34	32	26	35	28	33	28	17	26	29	22	26	30	38	30	41	32	26	26	17	22	25	13	11	20	19	12	27.1
Pleasantville§§	Maximum	49	54	55	51	45	48	57	51	55	69	47	44	54	46	41	48	56	57	59	57	45	41	44	34	42	43	24	34	40	34	39	47.2
	Minimum	27	45	39	35	32	27	25	38	29	33	44	18	20	32	19	23	35	27	29	35	30	30	20	22	20	25	20	12	17	30	15	27.5
Ridgefield*	Maximum	51	52	55	45	43	38	51	43	47	60	49	34	41	37	35	44	56	49	45	52	39	32	38	29	40	34	22	31	37	35	34	41.9
	Minimum	27	43	42	34	36	33	30	30	27	38	20	18	25	23	21	30	35	36	31	39	31	27	22	17	21	22	12	10	21	23	16	27.1
Runyon	Maximum	58	58	58	50	48	42	52	46	44	64	50	39	36	38	39	42	39	50	55	56	44	34	46	37	40	36	28	32	34	35	32	43.9
	Minimum	15	39	39	32	32	27	16	26	23	36	33	15	20	16	11	22	19	39	20	32	29	27	22	16	19	20	13	8	10	20	5	22.6
Sandy Hook*	Maximum	49	53	49	45	42	41	50	44	45	58	48	37	44	40	36	43	48	47	52	52	39	35	37	30	37	35	21	30	36	36	31	41.6
	Minimum	36	45	42	38	37	36	35	34	32	42	24	22	32	26	25	32	37	38	41	39	33	28	24	20	25	21	14	16	26	25	19	30.5
Somerville (near)	Maximum	53	52	53	46	35	40	40	50	43	61	52	40	39	39	40	43	55	52	45	50	49	35	38	43	36	38	30	34	35	34	33	43.0
	Minimum	29	36	39	37	33	29	26	33	23	37	32	14	25	31	16	23	35	33	30	39	31	26	22	21	19	22	13	7	19	26	17	26.5
Sussex	Maximum	46	44	48	46	40	37	48	45	43	50	46	39	35	32	34	40	50	50	42	44	45	32	34	27	38	33	29	29	36	35	83	39.7
	Minimum	19	35	42	38	31	29	24	33	23	31	28	13	21	25	8	16	25	35	25	37	30	25	25	15	16	19	10	4	15	27	10	23.7
Trenton*	Maximum	16	54	51	46	42	40	54	48	49	61	50	38	44	40	38	43	52	51	48	58	39	36	38	30	38	38	21	30	35	34	31	42.7
	Minimum	35	44	40	35	37	33	32	36	31	40	24	20	30	29	25	30	35	38	86	38	31	29	24	20	24	21	14	16	26	22	16	29.4
Trenton No. 2*	Maximum	47	54	54	47	43	41	52	52	49	61	50	39	44	42	38	43	51	53	51	57	40	37	39	31	38	38	21	31	36	35	32	43.4
	Minimum	29	42	40	34	36	33	31	35	29	38	29	19	29	30	23	30	34	37	33	40	31	29	22	20	93	20	15	15	26	20	13	28.5
Tuckerton	Maximum	50	54	53	48	45	47	50	48	50	66	48	43	56	47	40	44	52	57	60	55	47	38	41	39	39	40	38	34	39	37	36	46.5
	Minimum	30	42	40	35	32	33	28	33	30	48	35	18	30	32	30	25	35	34	35	36	30	27	24	21	20	25	18	18	25	28	22	29.6
New York, N. Y.*	Maximum	52	55	53	46	44	42	52	48	46	59	50	37	43	40	40	44	52	51	51	53	39	34	37	30	39	36	19	35	39	38	33	43.1
	Minimum	40	45	41	37	36	37	32	31	30	41	21	18	31	24	23	33	36	39	41	39	31	26	24	17	23	19	12	12	27	26	18	29.4
Philadelphia, Pa.*	Maximum	48	55	49	46	41	42	54	48	52	63	53	41	44	43	41	44	55	57	52	58	40	39	41	33	39	39	25	35	36	36	32	44.5
	Minimum	40	45	40	35	37	35	35	37	33	41	23	21	33	32	28	34	38	42	38	40	32	32	27	22	26	25	17	21	28	26	19	31.7

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

NNS

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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NEW JERSEY SECTION,
A. E. WHITE
TRENTON, N. J.

Vol. XLIV. Annual Summary, 1939. No. 13.

GENERAL SUMMARY

ERRATA

This table should be substituted for the one published on first page of New Jersey Section Annual Summary for 1939.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	63.33	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	49.2	100	−34	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24 3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	35.28	15.6	99	172	89	104
1931	54.4	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.8	110	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
1938	53.3	100	−19	52.52	23.1	133	151	88	126
1939	53.0	99	−10	42.95	18.4	113	152	92	121
Period	51.9	110	−34	45.35	29.0	136	158	104	108

County to 58.49 inches at Tuckerton in Ocean County. Stations in the southern half of the State received amounts ranging from about normal to nearly 25 percent above normal, the heaviest being on the southeastern coastal plain. Over the northern half, all stations were deficient, and some as much as 20 percent. The driest month was May with an average of 1.43 inches.

was a close second with 1.49 inches and December's
s only 1.54 inches. The first four months, also
l October, had more than normal precipitation while
ing months were drier than normal considering the
whole. The average amount for the crop season,
ptember inclusive, was 20.95 inches or 3.20 inches
ıal while precipitation for the remainder of the year
y above normal. Rainfall during May, June and
ıly 60 percent of normal. This resulted in a marked
f certain crops, especially strawberries, potatoes and
ugh the three preceding years had ample precipitation
tate, the deficiency this year caused water levels to
in the northern counties, which condition continued
ose of the year. The Delaware River reached the low-
t Trenton in July, since August 1923, and continued

(Continued on page 51)

PARATIVE ANNUAL DATA FOR THE STATE

....	50.4	100	−2	37.87	......	......	......	......	......
....	50.8	98	−10	46.54	......	......	......	......	......
....	51.3	102	−6	47.66	......	......	......	......	......
....	50.2	99	−12	52.20	......	......	......	......	......
....	52.8	95	−3	63.33	......	......	......	......	......
....	53.1	101	0	49.34	......	......	......	......	......
....	53.2	102	1	47.98	......	......	......	......	......
....	51.5	105	−6	42.04	......	......	......	......	......
....	50.7	103	−21	47.90	......	......	......	......	......
....	53.0	106	−11	47.37	......	......	......	......	......
....	51.5	109	−12	37.29	25.7	......	......	......	......
....	52.1	105	−15	42.51	39.5	......	......	......	......
....	52.0	102	−6	51.72	25.8	......	......	......	......
....	53.1	107	−15	52.35	34.3	......	......	......	......
....	52.1	103	−21	45.84	44.3	107	148	120	97
....	53.8	104	−9	42.71	23.3	108	146	127	92
..	51.3	107	−12	51.80	14.1	116	141	116	108
....	51.9	100	−11	59.44	40.1	124	148	116	101
....	51.7	100	−16	56.25	22.3	116	151	108	106
....	49.2	100	−34	43.78	48.5	113	160	107	99
....	51.2	102	−18	42.06	32.9	109	160	114	91
....	52.7	98	−15	46.38	23.4	121	146	112	107
....	50.3	96	−22	51.65	54.1	128	141	99	125
....	52.6	106	−17	42.58	35.3	103	145	115	106
....	51.9	100	−15	40.86	29.9	114	137	116	112
....	51.8	99	−15	39.73	33.3	114	123	123	119
....	52.6	104	−12	50.36	30.0	129	121	121	123
....	51.3	100	−32	46.61	35.1	115	137	124	105
....	54.0	100	−11	46.99	5.2	111	173	97	95
....	51.2	99	−12	39.23	41.1	107	149	108	108
....	52.4	98	3	47.37	39.4	114	145	115	105
....	51.0	100	−18	38.17	49.6	121	159	100	107
....	49.5	104	−21	40.80	40.4	117	166	96	103
....	51.6	108	−23	37.65	25.3	108	167	96	102
....	52.6	103	−11	52.10	10.9	131	161	80	124
....	51.2	98	−17	51.87	33.4	127	158	94	114
....	54.2	100	−5	38.16	23.0	115	167	90	108
....	52.6	98	−11	41.57	30.8	119	169	90	106
....	51.9	106	−14	40.38	39.8	112	172	92	101
....	50.6	102	−6	44.17	24 3	102	177	96	93
....	52.2	103	−20	42.15	26.8	111	165	97	103
....	50.0	105	−11	44.41	32.2	122	157	95	113
....	52.0	99	−12	49.68	13.7	125	156	90	119
....	52.0	99	−15	46.22	21 5	125	158	97	111
....	52.3	102	−9	42.96	16.0	118	162	87	116
....	52.7	105	−14	35.28	15.6	99	172	89	104
....	54.4	102	−9	37.07	8.6	106	169	82	114
....	53.4	100	−10	46.80	16.3	111	169	95	112
....	52.9	105	−18	49.80	21.5	121	158	88	119
....	51.6	103	−26	45.43	32.7	117	169	85	111
....	51.6	101	−31	42.32	36 2	118	155	89	121
....	52.3	110	−17	47.57	22.1	119	163	87	116
....	53.0	103	0	47.61	11.1	124	161	84	120
....	53.3	100	−19	52.52	23.1	133	151	88	126
....	53.0	99	−10	42.95	18.5	113	152	92	121
....	51.9	110	−34	45.49	29.0	136	153	104	108

Climatological Data for the Year 1939

STATION	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic City	Atlantic	8	66	54.8	95	June 17	13	Jan. 27	66	46.63	8.95	Aug.	0.89	May	11.7	112	114	101	150	s.
Belleplain	Cape May	49	......	55.0	95	do. 17	0	do. 20	45	54.06	16.07	do.	0.61	do.	......	101	192	73	100	s.
Belvidere	Warren	289	48	51.4	98	July 25	−1	do. 20	48	40.56	5.76	Feb	1.23	Nov.	25.4	107	183	60	122	......
Boonton	Morris	280	31	50.4	95	do. 25	3	do. 27†	49	36.56	6.06	Apr.	1.22	Sept.	......	109	171	24	170	ne.
Bridgeton	Cumberland	30	51	55.6	97	Aug. 13	10	Jan. 20	56	41.39	7.45	Aug.	0.57	May	14.4	106	199	70	96	sw.
Burlington	Burlington	12	27	55.0	97	June 17†	2	do. 20	53	46.15	6.88	do.	1.01	Dec.	10.8	123	177	74	114	sw.
Camden	Camden	20	......	......	......	......	......	......	7	48.46	8.41	do.	1.01	do.	19.5	122	125	81	159	sw.
Canoe Brook	Essex	180	9	50.0	94	July 25	−7	Jan. 20	9	40.77	5.77	Mar.	1.24	May	......	101	196	78	91	nw.
Charlotteburg	Passaic	760	47	49.9	94	July 25	−4	Jan. 28	47	44.45	5.89	Apr.	1.85	May	28.1	105	163	77	125	w.
Chatham	Morris	185	......	......	......	......	......	......	35	42.10	5.97	Mar.	1.34	do.	......	117	204	78	83	......
Clayton	Gloucester	120	26	54.6	95	May 31†	8	Jan. 27†	26	45.10	9.56	Aug.	0.40	do.	23.9	92	158	28	179	n.
Culvers Lake	Sussex	760	......	......	......	......	......	......	38	41.75	5.65	Feb.	1.62	Nov.	26.2	98	......	......	......	......
Dover	Morris	600	55	50.3	92	May 31†	2	Jan. 20	55	43.20	6.23	Apr.	1.67	July	27.6	111	70	163	132	......
Egg Harbor City	Atlantic	63	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Elizabeth	Union	34	55	......	......	......	5	Jan. 15	60	39.42	5.63	Feb.	1.01	May	22.9	114	168	66	131	ne.
Flemington	Hunterdon	140	42	54.0	99	May. 31	−5	do. 20	53	41.17	5.61	do.	1.03	Sept.	24.0	117	212	66	87	w.
Freehold	Monmouth	194	8	53.5	95	May 31†	3	Jan. 20	35	37.92	5.83	Aug.	0.28	May	19.0	122	237	57	71	sw.
Hammonton	Atlantic	95	7	54.5	97	July 25	1	do. 20	3	49.76	12.06	do.	0.81	Sept.	17.2	103	182	77	106	w.
Hightstown	Mercer	110	43	53.0	96	do. 25†	0	do. 20	45	36.65	5 46	Feb.	0.65	May	28.2	128	150	121	94	sw.
Indian Mills	Burlington	100	50	53.9	97	June 17†	−1	do. 20	49	49.96	9.09	Aug.	0.53	Sept,	20.7	127	126	143	96	w.
Jersey City	Hudson	81	41	55.4	95	May 31†	6	Jan. 27	41	37.64	5.76	Feb.	0.96	July	24.1	115	105	125	135	nw.
Lakewood	Ocean	54	35	54.0	96	June 17†	7	do. 20†	35	45.61	8.00	Aug.	1.02	Sept.	23.7	125	130	84	151	sw.
Lambertville [near]	Hunterdon	430	52	......	97	Aug. 1	......	......	52	39.87	6.58	do.	1.00	July	......	......	......	......	......	......
Layton [near]	Sussex	480	38	48.9	97	July 25	−10	Jan. 20	38	35 92	4.37	Apr.	1.32	May	34.3	102	122	55	188	sw.
Little Falls	Passaic	157	25	52.1	95	May 31†	3	Jan. 27	36	39.55	5.36	Aug.	1.43	May	22.3	120	160	112	93	nw.
Long Branch	Monmouth	34	31	53.2	95	Aug. 9	7	do. 20	31	45.65	8.59	do.	0.21	do.	23.6	118	84	135	146	nw.
Long Valley	Morris	660	9	......		......	0	do. 20	9	39.56	5.98	Apr.	1.54	June	......	......	......	......	......	......
Moorestown	Burlington	62	76	53.4	95	June 17	5	do. 20	76	43.40	6.54	Aug.	0.92	Dec.	19.7	116	136	102	127	n.
Newark	Essex	10	40	53.5	95	May 31	7	Jan. 26	40	36.54	5.88	Feb.	0.78	May	21.2	115	72	150	143	......
New Brunswick	Middlesex	86	82	53.2	95	do. 31†	3	do. 20	86	37.45	5.52	do.	0.80	do.	21.8	110	134	116	115	sw.
New Milford	Bergen	12	......	......	......	......	......	......	21	38.29	5.56	Aug.	1.17	do.	......	104	......	......	......	......
Newton	Sussex	769	56	49.5	97	May 31	−1	Jan. 26	53	38.01	5.03	Apr.	1.09	Sept	35.5	116	119	110	136	sw
N. Merchantville	Camden	63	5	55.7	99	June 17	11	Feb. 23	5	50.29	8.10	Aug.	1.29	Dec.	22.6	122	132	114	119	sw.
Paterson	Passaic	95	69	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Pemberton	Burlington	55	9	54.6	96	June 17†	0	Jan. 20	9	45.00	8.02	Aug.	0.91	Dec.	15.1	120	179	59	127	w.
Phillipsburg	Warren	182	48	52.4	99	May 31	5	do. 16	55	40.30	5.65	Feb.	0.84	Nov.	24.9	112	167	106	92	......
Plainfield	Union	120	48	53.2	96	July 25	6	Jan. 27	51	41.21	5.91	June	1.31	May	24.1	123	114	126	125	nw.
Pleasantville	Atlantic	8	16	53.9	95	May 31	5	do. 20	41	55.55	14.70	Aug.	0.96	do.	......	133	......	......	......	w.
Ridgefield	Bergen	80	22	52.6	94	do. 31†	4	do. 27	22	38.62	5.43	Feb.	0.87	do.	28.4	113	115	144	106	nw.
Runyon	Middlesex	18	15	......	97	do. 31†	......	......	16	37.69	5.66	do.	0.53	do.	......	101	205	112	48	w.
Sandy Hook	Monmouth	15	41	53.5	91	May 31†	9	Jan 26	41	36.85	7.31	Aug.	0.91	July	20.1	115	108	102	155	w.
Somerville [near]	Somerset	385	53	52.4	95	July 25	1	do. 26	55	41.19	5.66	Apr	1.66	Dec.	......	......	129	100	136	w.
Sussex	Sussex	450	41	......	......	......	0	do. 27	......	......	......	......	......	......	......	......	......	......	......	......
Toms River	Ocean	38	18	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Trenton	Mercer	56	68	53.9	96	June 17	10	Jan. 26	67	42.89	7.55	Aug.	1.04	July	23.4	122	85	122	158	s.
Trenton No. 2	Mercer	105	3	53.9	97	do. 17	6	do. 20	11	46.19	7.63	do.	1.18	do.	26.3	116	......	......	......	......
Tuckerton	Ocean	23	41	54.4	98	do. 17	8	do. 27	46	58.49	19.38	do.	0.99	Sept.	1.7	112	199	37	129	nw.
Vineland	Cumberland	23	46	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Woodcliff Lake	Bergen	103	......	......	......	......	......	......	21	34.90	5.44	Feb.	0.83	May	......	104	......	......	......	......
Woodstown	Salem	16	5	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
New York, N.Y.	......	10	69	53.7	92	May 31	6	Jan. 27	69	35.69	5.97	Feb.	0.56	May	21.6	117	99	121	145	nw.
Philadelphia, Pa.	......	26	68	55.8	96	Sept. 8	12	do. 26	68	45.40	6.90	Aug.	1.18	Dec.	18.8	123	106	122	137	sw.
For the State.	......	......	......	53.0	99	May 31†	−10	Jan. 20	......	42.95	19.38	Aug.	0.21	May	18.4	113	152	92	121	sw.

† Also on other dates.

W. B. O. Philadelphia-5-2-39-1050

Monthly and Annual Precipitation for the Year 1939, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Atlantic City	5.65	+2.16	6.01	+2.65	6.04	+2.44	5.78	+2.79	0.89	−2.16	1.60	−1.44	1.60	−2.33	8.95	+4.46	1.50	−1.15	5.11	+1.91	2.17	−0.65	1.33	−2.61	46.63	+6.07
Belleplain	4.04	+0.50	5.99	+2.66	5.90	+2.14	6.02	+2.32	0.61	−2.91	2.74	−0.70	2.56	−1.75	16.07	§	1.34	−2.04	5.43	+2.53	2.25	−0.29	1.11	−2.89	54.06	+11.04
Belvidere	3.96	+0.20	5.76	+2.20	4.72	+1.03	5.72	+1.96	1.54	−2.00	4.14	+0.14	2.10	−2.44	3.68	0.89	1.61	−2.13	3.08	−0.74	1.23	−1.96	3.02	−0.89	40.56	−5.52
Boonton	3.52	+0.14	4.21	+0.91	5.14	+1.50	6.06	+2.16	1.44	−2.26	2.91	−1.05	1.62	−3.02	3.73	−0.96	1.22	−2.63	2.51	−1.40	2.45	−0.56	1.75	−1.95	36.56	−9.12
Bridgeton	3.78	+0.33	5.82	+2.60	4.82	+0.98	4.71	+1.11	0.57	−2.70	3.85	−0.07	1.01	−3.44	7.45	+2.78	1.12	−2.19	5.47	+2.37	1.35	−1.25	1.44	−2.26	41.39	−1.74
Burlington	3.44	−0.13	5.99	+2.67	5.19	+1.48	6.14	+2.40	1.58	−1.93	4.77	+1.08	3.84	−1.10	6.88	+1.10	2.10	−1.46	3.82	+0.33	1.29	−1.59	1.01	−2.94	46.15	−0.09
Camden	3.88	....	6.39	.....	4.03	....	6.61	.....	2.56	.....	5.27	.....	2.54	.....	8.41	.....	1.41	.....	4.82	.....	1.53	.....	1.01	.....	48.46	.....
Canoe Brook	3.65	.....	4.45	.....	5.77	.....	5.17	.....	1.24	.....	3.76	.....	2.34	.....	4.94	.....	1.98	.....	3.33	.....	2.59	.....	1.55	.....	40.77	.....
Charlotteburg	4.09	+0.47	5.36	+1.67	4.32	+0.33	5.89	+1.57	1.85	−2.03	2.60	−1.86	3.81	−0.77	5.11	+0.61	2.20	−1.95	5.35	+0.94	1.87	−1.75	2.00	−2.00	44.45	−4.77
Chatham	4.54	+0.57	5.30	+1.43	5.97	+1.93	5.66	+1.44	1.34	−2.58	2.65	−1.31	2.13	−2.81	4.58	−0.07	2.06	−2.16	3.32	−0.79	2.66	−0.78	1.89	−2.28	42.10	−7.41
Clayton	4.63	+1.06	5.48	+2.14	5.92	+2.40	5.50	+1.89	0.49	−2.64	3.50	−0.24	1.84	−2.72	9.56	+4.74	0.56	−2.92	4.80	+1.64	1.56	−1.16	1.35	−2.34	45.10	+1.85
Culvers Lake	3.58	+0.54	5.65	+2.69	3.81	+0.49	4.84	+1.31	2.71	−1.12	2.44	−2.00	2.57	−2.21	5.00	+0.35	1.69	−2.33	5.18	+1.57	1.62	−1.48	2.66	−0.68	41.75	−2.87
Dover	4.18	+0.18	5.96	+2.19	4.35	+0.33	6.23	+2.17	1.81	−1.82	3.09	−1.34	1.67	−3.54	5.83	+1.33	2.74	−1.34	2.96	−1.18	1.96	−1.59	2.42	−1.76	43.20	−6.37
Egg Harbor City	.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....		3.76	.....	13.60	.....	1.60	.....	4.37	.....	2.05	.....	1.08	.....	.....	.....
Elizabeth	4.45	+0.75	5.63	+1.77	4.42	+0.46	4.17	+0.33	1.01	−2.63	4.60	+1.00	1.92	−2.80	4.32	−0.01	1.31	−2.30	4.32	+0.37	1.13	−1.49	1.84	−2.08	39.42	−6.63
Flemington	3.39	−0.08	5.61	+2.29	4.11	+0.45	5.50	+1.88	3.01	−0.51	3.11	−0.50	1.95	−2.90	4.67	+0.15	1.03	−2.61	4.92	+1.41	1.81	−1.14	2.06	−1.60	41.17	−3.16
Freehold	4.27	+0.31	5.83	+1.69	5.11	+0.46	4.43	+0.79	0.28	−3.50	2.97	−0.64	0.99	−4.27	5.68	+1.09	1.14	−3.15	4.74	+1.03	1.52	−2.50	0.96	−2.76	37.92	−11.45
Hammonton	5.15	+1.41	6.60	+3.36	5.79	+1.87	4.69	+0.91	1.81	−1.80	3.09	−0.67	1.53	−3.01	12.06	+7.18	0.81	−3.40	5.08	+1.23	1.88	−1.16	1.27	−2.71	49.76	+3.21
Hightstown	3.60	+0.13	5.46	+2.07	4.24	+0.46	4.34	+0.45	0.65	−2.96	2.92	−0.84	2.49	−2.43	4.93	−0.09	1.72	−1.99	3.97	+0.27	1.84	−1.07	0.99	−2.55	36.65	−8.55
Indian Mills	4.83	+0.86	5.57	+1.90	5.68	+1.60	4.98	+1.18	4.68	+1.34	4.73	+0.80	2.20	−2.55	9.09	+3.56	0.53	−2.96	4.90	+1.21	1.67	−1.33	1.10	−3.01	49.96	+2.60
Jersey City	3.61	−0.09	5.76	+1.83	5.02	+1.00	4.19	+0.44	1.11	−2.34	3.84	+0.06	0.96	−3.39	4.94	+0.61	1.27	−2.13	4.10	0.00	1.59	−1.41	1.25	−2.40	37.64	−7.82
Lakewood	4.87	+0.87	6.52	+2.63	5.73	+1.56	5.43	+1.48	1.85	−1.93	2.71	+1.30	1.63	−3.37	8.00	+2.81	1.02	−2.02	5.05	+1.25	1.60	−1.49	1.20	−2.99	45.61	−2.50
Lambertville [near]	3.27	−0.19	5.30	+1.92	4.30	+0.51	5.43	+1.63	2.23	−1.43	3.47	−0.29	1.00	−3.64	6.58	+1.78	1.42	−1.94	2.88	−0.67	1.96	−1.04	2.03	−1.67	39.87	−5.03
Layton [near]	1.98	−1.00	3.94	+0.95	3.86	+0.57	4.37	+0.88	1.32	−1.82	3.11	−1.42	3.98	−0.42	4.05	−0.04	2.46	−1.40	3.30	−0.45	1.63	−1.44	1.92	−1.45	35.92	−7.04
Little Falls	4.11	+0.44	4.92	+1.12	5.31	+1.54	5.11	+0.95	1.43	−2.51	2.67	−1.35	1.85	−2.87	5.36	+0.40	1.51	−2.17	3.12	−1.47	2.47	−0.93	1.69	−2.25	39.55	−9.10
Long Branch	4.71	+0.57	6.76	+2.63	5.63	+1.46	4.30	+0.03	0.21	−3.64	4.18	+0.32	0.70	−5.15	8.59	+3.11	2.08	−1.11	5.65	+1.26	1.60	−1.96	1.24	−2.91	45.65	−5.39
Long Valley	3.06	.....	5.76	.....	*4.54	.....	*5.98	.....	*1.68	.....	1.54	.....	1.88	.....	4.82	.....	2.70	.....	2.08	.....	3.35	.....	2.17	.....	39.56	.....
Moorestown	3.48	+0.14	4.86	+1.61	5.32	+1.64	6.04	+2.39	1.68	−1.84	3.63	−0.15	3.16	−1.54	6.54	+1.17	1.07	−2.46	3.07	−0.41	3.63	+0.72	0.92	−2.85	43.40	−1.58
Newark	3.53	−0.13	5.88	+2.43	4.55	+0.80	4.00	+0.12	0.78	−3.09	4.06	−0.46	1.71	−3.24	3.83	−0.72	1.14	−2.55	4.20	−0.16	1.41	−1.68	1.45	−2.51	36.54	−11.19
New Brunswick	3.53	+0.13	5.52	+2.15	4.42	+0.86	3.89	+0.28	0.80	−2.86	3.48	−0.20	2.77	−2.46	4.27	−1.13	1.81	−1.55	4.09	+0.27	1.74	−1.10	1.13	−2.41	37.45	−8.02
New Milford	3.95	+0.87	5.45	+2.26	4.23	+0.88	4.33	+0.91	1.17	−2.34	3.88	+0.33	1.28	−3.84	5.56	+1.01	1.40	−2.68	3.81	+0.93	1.33	−1.88	1.90	−1.10	38.29	−4.65
Newton	3.14	−0.16	4.62	+1.47	3.71	+0.32	5.03	+1.50	1.86	−1.75	4.24	−0.24	2.61	−2.22	2.94	−1.41	1.09	−2.67	4.87	+1.22	1.80	−1.27	2.10	−1.31	38.01	−6.52
North Merchantville	4.11	.....	6.15	.....	4.45	.....	6.61	.....	2.32	.....	4.60	.....	5.29	.....	8.10	.....	1.62	.....	4.07	.....	1.68	.....	1.29	.....	50.29	.....
Paterson	4.33	+0.78	6.61	+2.63	5.05	+1.10	5.31	+1.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pemberton	4.10	.....	5.33	.....	4.87	.....	5.89	.....	1.02	.....	4.30	...	3.78	.....	8.02	.....	0.95	.....	4.11		1.72	.....	0.91	.....	45.00	.....
Phillipsburg	4.01	+0.63	5.65	+2.34	4.21	+0.87	4.94	+1.55	0.94	−2.37	3.66	−0.07	2.58	−1.90	2.93	−1.47	2.50	−0.99	5.31	+1.71	0.84	−1.99	2.73	−0.70	40.30	−2.39
Plainfield	3.60	−0.05	5.63	+1.88	4.50	+0.54	4.37	+0.58	1.31	−2.42	5.91	+2.04	1.82	−3.73	4.80	−0.30	2.14	−1.89	3.87	−0.21	1.83	−1.22	1.43	−2.44	41.21	−7.22
Pleasantville	4.10	+0.90	5.05	+2.15	7.05	+3.64	6.60	+3.18	0.96	−2.22	1.39	−2.11	5.65	+1.59	14.70	‡	1.50	+1.47	3.99	+0.66	3.27	+0.45	1.29	−2.64	55.55	+14.17
Ridgefield	3.61	−0.05	5.43	+1.53	4.52	+0.45	4.30	+0.85	0.87	−2.60	3.65	−0.49	2.26	−2.56	4.13	−0.78	2.05	−1.09	4.68	+0.45	1.39	−1.45	1.73	−2.08	38.62	−7.82
Runyon	4.16	+0.70	5.66	+2.17	4.91	+1.81	3.73	−0.23	0.53	−3.37	3.37	−0.16	2.09	−3.29	4.71	−0.61	1.55	−2.05	4.27	+0.45	1.73	−1.45	0.98	−2.36	37.69	−8.39
Sandy Hook	3.68	−0.28	5.45	+1.70	3.99	−0.05	3.44	−0.18	1.31	−2.38	2.62	−1.16	0.91	−4.21	7.31	+2.33	1.27	−2.16	4.50	+0.72	1.33	−1.92	1.01	−3.03	36.85	−10.62
Somerville [near]	*3.50	−0.02	4.04	+0.59	4.31	+0.64	5.66	+2.00	2.25	−1.29	3.45	−0.06	2.79	−2.45	4.93	+0.01	2.05	−1.67	4.20	+0.62	2.35	−0.62	1.66	−2.05	41.19	−4.30
Sussex	3.03	+0.06	4.21	+1.25	2.70	−0.45	.....	.....	.....	....	....	.....	.....	...	.....	.....	.....	....	4.80	+1.44	1.69	−1.13	2.27	−0.70	.....	.....
Toms River	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.73	.....	12.37	.....	0.92	.....	5.79	.....	1.65	.....	1.00	.....	.....	.....
Trenton	3.89	+0.58	5.56	+2.29	4.39	+0.99	5.31	+2.37	1.18	−1.90	6.56	+3.47	1.04	−2.90	7.55	+2.80	1.48	−1.92	2.85	+0.07	1.59	−1.14	1.49	−1.86	42.89	+2.85
Trenton No. 2	4.08	....	5.98	.....	4.89	.....	6.13	.....	1.49	.....	6.46	.....	1.18	.....	7.63	.....	1.50	.....	3.46	.....	2.05	.....	1.34	.....	46.19	.....
Tuckerton	5.33	+1.66	6.90	+3.41	5.86	+1.73	4.53	+0.76	1.82	−1.62	1.58	−2.15	5.65	+1.67	19.38	†	0.99	−2.27	4.36	+0.74	2.06	−0.94	1.03	−3.30	58.49	+13.77
Vineland	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.91	−3.62	8.96	+4.47	0.72	−2.73	3.82	+0.78	2.85	+0.19	1.39	−2.23	.....	.....
Woodcliff Lake	4.00	+0.85	5.44	+2.12	3.99	+0.92	4.25	+0.81	0.83	−2.51	2.76	−0.60	1.28	−3.29	3.73	−0.49	1.33	−2.53	3.97	+1.12	1.38	−1.65	1.94	−1.05	34.90	−6.30
Woodstown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.52	.....	5.31	.....	0.99	.....	4.60	.....	0.90	.....	.....	.....	.....	.....
New York, N. Y	3.80	+0.14	5.97	+2.15	4.81	+1.17	3.90	+0.67	0.56	−2.68	3.98	+0.65	0.44	−3.80	4.37	+0.04	1.21	−2.18	3.96	+0.43	1.47	−1.49	1.22	−2.40	35.69	−7.30
Philadelphia, Pa	4.46	+1.16	6.12	+2.80	4.32	+0.93	6.40	+3.35	1.91	−1.35	4.45	+1.21	2.19	−1.96	6.90	+2.28	1.91	−1.23	4.30	+1.49	1.26	−1.44	1.18	−2.25	45.40	+4.99
For The State	3.98	+0.41	5.55	+1.94	4.83	+1.05	5.12	+1.51	1.43	−2.30	3.55	−0.16	2.33	−2.46	7.03	+2.28	1.49	−2.07	4.24	+0.83	1.86	−1.32	1.54	−2.11	42.95	−2.40

* Interpolated from surrounding stations. § +11.47 ‡ +10.04 † +14.08

(Continued from page 49)

comparatively low until frozen over late in December. A tropical storm moving slowly up the eastern seaboard caused very heavy rains in southern New Jersey on August 19th to 20th. At several stations previous records for heavy 24-hour rainfall were broken, and at Tuckerton a 24-hour fall of 14.81 inches was recorded which exceeded all previous records in this State. A train wreck near Chatsworth in which 17 persons were injured was attributed to this storm.

Damage by wind, lightning and hail in 1939 was comparatively light.

Monthly and Annual Mean Temperatures for the Year 1939, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic City	36.0	+3.5	39 6	+6.0	42.0	+3.4	49.0	+1.2	60.8	+2.7	69.9	+3 3	72.5	+0.4	76.4	+3.9	68.6	+1 8	58.6	+1.7	45.5	−0.1	39.1	+2.7	54.8	+2.5
Belleplain	^{a}34.6	+1.6	39.8	+7.3	43.4	+1.9	51.5	+1.0	64.4	+3.8	^{a}73.0	+4.1	^{a}73.6	+0.2	76.0	+3.9	67.6	+1.3	57.8	+2.3	40.8	−3.6	37.8	+2.7	55.0	+2.2
Belvidere	27.3	−0 1	^{c}34.0	+6.1	37.4	−1.2	45.6	−4.0	63.8	+3.4	71.0	+2.1	^{b}73.4	+0.2	74.3	+3.5	65.2	+0.2	^{d}52.2	−2.9	39.8	−1.6	33.4	+2.6	51.4	+0.7
Boonton	28.0	+0.9	32.4	+4.7	35.8	+0.4	45.9	−2.2	60.8	+2.5	68.8	+1.5	72.4	+0.5	73.6	+3.5	64.0	+0.5	52.2	+0.2	38.8	−2.4	32.4	+3.1	50.4	+1.1
Bridgeton	33.6	−0.1	39.5	+5.4	43.3	+0.7	50.8	−1.5	65.2	+1.7	73.8	+1.7	76.0	−0.5	^{a}77.8	+3.2	69.1	+0.7	57.1	−0.1	43.2	−2.5	37.4	+1 3	55.6	+0.8
Burlington	32.0	−1.0	38.8	+6.5	42.0	+0.7	50.8	−1.2	65.2	+2.3	73.4	+1.7	75.2	−1.6	76.8	+2.4	67.8	+0.1	56.9	0.0	43.3	−1 4	37.2	+2.3	55.0	+0.9
Canoe Brook	27.2	.....	33.2	.....	36.6	.....	45.6	.....	60.0	.....	68 0	....	70.4	.....	72.8	.....	63.6	.....	52.0	.....	38.4	.....	32.3	.....	50.0	.....
Charlotteburg	28.2	+1.3	31.9	+5.5	35.2	−1.1	45.2	−1.4	60.8	+3.6	67.8	+2.8	70.0	+0.1	72.4	+4.9	63.9	+1.8	51.6	+0.3	39.8	−0.6	32.2	+2.1	49.9	+1.6
Clayton	^{a}33.4	+1.3	39.6	+8.5	42.8	+0.8	50.4	−0.8	64.2	+2.7	72.5	+3.0	74.5	−0.7	75.2	+2.1	67.6	+0.6	55.9	−0.7	42.2	−2.2	37.0	+2.7	54.6	+1.4
Dover	^{a}28.5	+1.8	33 0	+6.1	36.4	+0.5	^{a}45.4	−2.0	61.8	+3.4	68.4	+1.6	^{e}70.6	−0.8	72.2	+3.1	63.2	+0.8	52.2	+0.8	39.4	−1.0	32.4	+2.3	50.3	+1.4
Elizabeth	31 4	+1.0	37.0	+6.0	40.8	+1.4	49.6	−1.3	64.7	+3.0	73.0	+2.6	.....	.....	^{a}77.0	+3.6	67.6	+0.7	55.8	+0.5	43.0	−0.8	35.0	+1.4	.....	.....
Flemington	30.4	+0.5	36.5	+6.6	40.6	0.0	49.2	−1.0	65.2	+4.2	72.6	+3.1	75.2	+0.7	76.4	+4.1	68.0	+1.5	55.8	+0.2	42.5	−0.8	35.4	+2.9	54.0	+1.8
Freehold	31.3	.....	37.6	.....	40.4	.....	48.6	.....	63.4	.....	71.8	.....	74.0	.....	75.9	.....	66.6	.....	55.4	.....	41.5	.....	35.4	.....	53.5	.....
Hammonton	33.0	.....	39.2	.....	42.6	.....	50.5	.....	64.8	.....	71.8	.....	74.0	.....	76.0	.....	67.7	.....	55.8	.....	42.2	.....	36.6	.....	54.5	.....
Hightstown	30 2	+0.1	37.4	+7.1	39.8	−1.0	48.4	−2.0	62.6	+1.8	70.4	+1.3	^{g}72.6	−1.5	75.5	+3.6	66.7	0.0	55.0	+0.1	41.6	−1.9	35.6	+2.7	53.0	+0.9
Indian Mills	31.6	−0.5	38.4	+5.9	41.6	+0.5	49.8	−0.7	64.3	+2.6	71.0	+1.1	73.6	−0.9	75.9	+3.5	66.8	+0.4	55.2	−0.0	41.9	−1.6	^{a}36.5	+2.5	53.9	+1.1
Jersey City	34.2	+2.1	39.2	+7.7	40.6	+0.6	50.2	0.0	65.6	+4.3	73.7	+2.8	75.7	−0.1	77.4	+3.8	68.6	+1.1	57.4	+1.2	44.6	+0.1	37.8	+3.3	55.4	+2.2
Lakewood	32.0	+0.5	38.6	+7.6	41.5	+1.2	50.0	+0.5	63.8	+3.8	71.2	+3.0	73.8	+0.8	75.6	+4.7	67.2	+2.2	55.7	+1.5	42.4	−0 8	36 4	+2 5	54.0	+2.3
Lambertville[near]	29.5	−0.7	36.4	+5 8	39.6	−0.1	48.4	−1.8	64.6	+3.6	70.4	+0.9	73.8	−0.2	75.1	+3.1	.....	.....	55.2	+1.0	.....	.....	.....	.....	.....	.....
Layton [near]	26 0	+1.0	29.9	+4.8	34.5	−1.6	44 8	−2.3	60.7	+3.2	67.6	+1.9	71.0	+0.1	71.8	+3.6	62.6	0.0	50.8	−0.3	37.0	−2.3	30.0	+1.9	48.9	+0.8
Little Falls	30.6	+2.1	34.7	+5.4	37.7	+0.4	46.9	−1.4	63.0	+3.2	70.0	+1.3	72.9	−0.9	74.4	+3.2	65.7	−1.6	53.7	+0.5	40.8	−1.2	34.8	+2.4	52.1	+1.1
Long Branch	32.0	+0.5	37.6	+6.4	39.3	−0.1	47.8	−0.4	62.0	+4.0	70.0	+2.9	73.4	+1.3	75.7	+4.9	66.1	+0.2	56.0	+0.6	42.5	−1.7	36.1	+1.9	53 2	+1.7
Long Valley	27.2	.....	31.2	.....	34.6	.....	.....	.....	.....	.....	^{a}69.2	.....	^{a}70.8	.....	^{a}72.8	.....	63.2	.	^{b}51.2	.....	38.7	.....	^{a}31.7	.....	.....	.....
Moorestown	31.0	+0.1	37 6	+5.8	40.2	+0.4	49.0	−1.5	63.9	+2.7	70.4	+0.2	73.7	−1.0	75.5	+3.0	66.5	+0.2	55.0	+0.1	41.9	−1.0	36.2	+2.5	53.4	+1.0
Newark	31.4	+1.6	36.4	+7.2	39.2	−0.1	47.8	−2.4	63.9	+2.8	72.2	+2.6	74.8	+0.2	76.5	+3.8	66.8	+0.1	55.5	−0.2	42.0	−1.7	35.1	+1.7	53.5	+1.3
New Brunswick	30.2	−0.1	37.0	+6.0	33.7	+0.5	48.0	−1.7	63.0	+2.6	71.2	+2.0	73.4	−0.6	75.6	+3.6	66.7	+0.9	55.4	+0.7	42.1	−1.5	35.5	+2.1	53.2	+1.2
Newton	27.2	+1.3	31.4	+4.4	34 8	−1.2	45.0	−3.0	62.2	+2.8	68.1	+0.1	71.0	−1.5	71.5	+1.2	^{c}62.6	−1.2	51.3	−1.5	37.8	−3.0	30.6	+0.4	49.5	−0.1
N. Merchantville	34.0	.....	39.6	.....	43.0	.....	51.8	.....	66.6	.....	74.0	. .	76.0	.....	77.4	.....	69.4	.....	56.0	.....	43.4	.....	37.1	.....	55.7	.....
Paterson	30.9	+1.0	35.5	+4.9	39.2	−0.2	48.4	−2.3	.....	.....	.....	.....	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pemberton	32.4	.....	39.5	.....	42.5	.....	50.3	.....	64.2	.....	71.8	....	74.4	.....	76.6	.....	67.8	.....	56.2	.....	42.7	.....	37.2	.....	54.6	.....
Phillipsburg	29.0	+0.6	34.4	+5.6	38.4	−0.2	48.0	−1.6	64.8	+3.8	71.8	+2.5	73.8	−0.1	75.5	+3.8	66.0	+0.7	53.6	−0.1	39.8	−2.0	34.2	+2.7	52.4	+1.3
Plainfield	31.2	+1.4	36.4	+7.1	39.0	−0.1	48.2	−1.2	63.8	+4.0	71.0	+2.4	73.8	+0.2	75.8	+4.4	66.7	+1.2	55.6	+1.8	41.8	−0.8	35.1	+2.3	53.2	+1.9
Pleasantville	33.2	−1.1	37.4	+4.1	41.1	+0.7	48.6	−0.3	61.1	+2.2	70.2	+1.8	72.8	−0.6	76.2	+4.1	67.2	+1.3	57.7	+2.9	43.8	−1.3	37.4	+2 2	53.9	+1.3
Ridgefield	29.9	+1.4	35.1	+6.3	38.5	+2.0	47.0	−0.9	63.2	+4.1	70.8	+3.2	73.9	+1.0	75.4	+4.7	66.0	+1.1	54 9	+1.9	41.8	0 0	34.5	+3.2	52.6	+2 3
Runyon	... .	.....	35.5	+5.0	.....	.....	46 6	−2.0	62.2	+2.8	68.4	−0.2	72.4	−0.7	73.6	+1.7	64.6	+0.1	54.0	+1.0	38.6	−4.8	33.2	+1.1	.....	.....
Sandy Hook	32.4	+1.1	36.5	+4.4	39.0	−0.3	47.2	−1.1	62.0	+3.6	70.4	+2.6	74.0	+0.5	76.6	+4.1	67.6	+0.1	56.8	−0.1	43.2	−2.6	36.0	+0.8	53.5	+1.1
Somerville[near]	30.2	+1.2	36.4	+7.0	38.2	−0 6	46.8	−2.7	62.8	+2.3	70.4	+1.2	73.7	−0.3	74.4	+2.2	66.0	−0.1	54.8	+0.7	40.6	−2.1	34.8	+2.3	52.4	+0.9
Sussex	27.9	+1.1	^{c}30.9	+4.4	35.2	−1.7	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	50.9	−2.0	39.4	−1.8	31.7	+1.8	.....	.....
Trenton	31 9	+1.4	37.8	+7.1	39.6	+0.5	49.0	−0.8	64.4	+3.3	71.8	+2.3	74.6	+0.1	76.2	+3.2	67.2	+0.3	55.6	0.0	42 4	−2.0	36.0	+1.6	53.9	+1.4
Trenton No2	31.6	.....	37.4		40 2	.....	49.1	.....	64.6	.....	72.0	....	74.6	.....	76.2	.....	67.1	....	55.3	.....	42.3	.....	36.0	.....	53.9	.....
Tuckerton	34.8	+1.9	39.8	+7.4	42.7	+1.6	49.3	−0.3	62.2	+2 4	70.3	+1.5	72.3	−1.7	75.4	+3.0	66.6	−0.1	57.0	+1.1	44.0	−0.7	38.0	+2.8	54.4	+1.6
New York, N. Y.	32.3	+1.4	37.4	+6.1	38.8	+1.1	47.8	−1.6	63.7	+3.1	70.8	+2.0	74.1	+0.3	76.8	+3.7	67.4	+0.6	56.4	+0.1	43.2	−1.0	36.2	+1.2	53.7	+1.4
Philadelphia, Pa.	34.4	+1.8	39.4	+5.5	41.7	+0.9	50.4	−1.7	66.4	+3.5	73.2	+1.8	76.2	0.0	77.8	+3.0	69.2	+1.2	57.6	−0.2	44.9	−0.8	38.1	+1.8	55.8	+1.4
For The State	30.9	+0.4	36.3	+5.8	40.1	+1.0	48.3	−1.4	63.3	+2.9	70.8	+2.0	73.4	−0.3	75.3	+3.5	66.5	+0.6	54.9	+0.2	41.5	−2.1	35.2	+1.5	53.0	+1.1

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Atlantic City	Apr. 13	Nov, 15	Long Branch	Apr. 13	Oct. 16
Belleplain	May 15*	Oct. 15*	Long Valley	....	Sept. 19*
Belvidere	Apr. 14*	do. 16	Moorestown	Apr. 13*	Oct. 16
Boonton	May 15*	do. 16*	Newark	do. 13*	do. 16*
Bridgeton	Apr. 14*	do. 16	New Brunswick	do. 14*	do. 16
Burlington	do. 14*	do. 16*	Newton	May 16*	do. 16
Canoe Brook	May 15*	do. 13*			
			N. Merchantville	Apr. 13*	Oct. 16
Charlotteburg	May 17*	Sept. 19*	Pemberton	do. 14*	do. 16
Clayton	do. 15*	Oct. 19	Phillipsburg	do. 13*	do. 16
Dover	do. 15	do. 16*	Plainfield	do. 14*	do. 16
Elizabeth	do. 14*	do. 16	Pleasantville	do. 13*	do. 15
Flemington	Apr. 9	do. 16	Ridgefield	do. 13*	do. 16
Freehold	May 17	do. 16			
Hammonton	do. 15	do. 15	Runyon	May 17*	Sept. 19*
			Sandy Hook	Apr. 13	Oct. 16
Hightstown	May 15	Oct. 16	Somerville	do. 14*	do. 16
Indian Mills	do. 15	do. 16	Trenton	do. 13	Nov. 4
Jersey City	Apr. 13*	Nov. 4*	Trenton No. 2	do. 13	Oct. 16
Lakewood	do. 13	Oct. 16	Tuckerton	do. 13*	do. 16
Lambertville	do. 14*	do. 16			
Layton	May 16	Sept. 18*			
Little Falls	do. 2	Oct. 16	For the State	May 17	Sept. 18

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1939

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	30.9	+0.4	65	−10	3.98	+0.41	5.59	1.98	10.2	17.5
February	36.3	+5.8	74	1	5.55	+1.94	6.90	3.94	2.0	8.2
March	40.1	+1.0	83	2	4.83	+1.05	7.05	2.70	2.0	12.1
April	48.3	−1.4	89	20	5.12	+1.51	6.61	3.44	0.1	1.0
May	63.3	+2.9	99	25	1.43	−2.30	4.68	0.21	0.0	0
June	70.8	+2.0	99	35	3.55	−0.16	6.56	1.39	0.0	0
July	73.4	−0.3	98	38	2.33	−2.46	5.65	0.70	0.0	0
August	75.3	+3.5	98	50	7.03	+2.28	19.38	2.93	0.0	0
September	66.5	+0.6	98	31	1.49	−2.07	2.74	0.53	0.0	0
October	54.9	+0.2	93	19	4.24	+0.83	5.79	2.08	0.0	0
November	41.5	−2.1	78	12	1.86	−1.32	3.63	0.84	0.2	2.5
December	35.2	+1.5	69	−1	1.54	−2.11	3.02	0.91	3.9	7.3
Year	53.0	+1.1	99	−10	42.95	−2.40	19.38	0.21	18.4	17.5

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.
VOL. XLV. JANUARY, 1940. No. 1.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

This was the coldest month in New Jersey since February, 1934 and the coldest January since 1918. Only three Januarys and one February have averaged colder than this month since state-wide records were begun in 1885. The sub-normal temperatures, which prevailed during the last week of December, 1939, continued through January except for a mild period from the 12th to 15th when it was somewhat above normal. The highest temperatures occurred on the 14th and 15th, readings in the fifties being registered at most stations on the latter date. While at a number of stations, zero was not reached during the month, sub-zero temperatures were registered as far south as Atlantic County (—4° at Hammonton) on the 20th, which was the coldest day at most stations. Because of the frozen condition of the Delaware River, the Marine Terminal in South Trenton was closed to navigation throughout the entire month. Measurements of smooth ice as high as 21 inches were made on the river at Trenton.

Precipitation averaged 53 percent of normal, this being the third consecutive month with a marked deficiency. All stations recorded less than normal. A heavy rain fell on the 14-15th which accounted for most of the precipitation in the State except in the southern one-fourth where that particular storm was less effective. Also, an unusual snowstorm on the 24th produced a heavy snowfall in the southern one-fourth when little or none fell elsewhere. At that time, 9 inches was recorded at Atlantic City, 8 inches at Bridgeton, 10 inches at Belleplain, and 13 inches at Cape May, these being unusually heavy falls for that area.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 22.4°, which was 8.5° below normal. The highest temperature was 62° at Belvidere on the 15th, and the lowest, —13°, at Runyon on the 20th. The greatest daily range of temperature was 40° at Pleasantville on 10th. The highest monthly mean temperature was 25.2° at Jersey City, and the lowest, 17.5° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is —8.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 51 stations, was 1.95 inches, which was 1.70 inches below normal. The average total snowfall at 23 selected stations was 5.6 inches, which was 1.7 inches below normal. The greatest monthly precipitation was 3.47 inches, at Little Falls, and the least, 0.98 inch at Pemberton. The greatest amount of precipitation in any 24 consecutive hours was 3.10 inches at Little Falls on the 15th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is —1.70 inches.

DATES OF MISCELLANEOUS PHENOMENA.

SLEET: 12. **SOLAR HALO:** 1, 7, 23, 27, 29, 30.
DENSE FOG: 2, 7, 8, 11, 12, 13, 14, 15, 24, 27, 29.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.07	30.52	10	29.56	14	15.4	52	ne.	24	72	56	60	61
Long Branch	30.02	30.55	10	29.55	14	12.6	40	ne.	24	70	54	60	66
Ridgefield	30.01	30.54	10	29.55	15		....	..	....	....	....	....	....
Sandy Hook	30.02	30.52	10	29.53	15	17.3	44	s.	14	76	60	67	57
Trenton	30.05	30.54	10	29.52	14	9.7	26	nw.	5	69	52	59	67

COMPARATIVE DATA FOR JANUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	....	....	....	....	....
1886	27.3	60	−10	4.47	....	....	....	....	....
1887	28.4	67	−6	3.86	....	10	....	....	....
1888	25.4	59	−12	4.77	....	9	....	....	....
1889	36.2	60	8	5.68	....	9	....	....	....
1890	41.3	78	12	2.29	....	10	....	....	....
1891	34.2	59	10	6.57	....	10	10	11	10
1892	29.9	67	−6	5.13	....	10	10	9	12
1893	21.6	54	−21	3.04	....	9	10	10	11
1894	34.2	61	−4	2.34	....	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	....	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	0.8	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	1.59	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	20.3	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	22.8	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	42.4	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
1938	31.0	68	−19	3.64	4.0	12	10	7	14
1939	30.9	65	−10	3.98	10.2	11	11	6	14
1940	22.4	62	−13	1.95	5.6	7	16	6	9
Period	30.9	78	−34	3.65	7.3	10	11	8	12

Climatological Data for January, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	25.0	−7.5	52	14	4	20	22	1.78	−1.71	0.80	13.8	7	14	7	10	w.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	24.2	......	52	14†	4	20	25	1.24	−2.88	0.74	3.5	8	14	9	8	w.	U. S. Coast Guard.
Belleplain	Cape May	49	46	23.0	−10.6	54	14†	1	10	37	2.26	−1.28	1.00	15.0	5	21	2	8	w.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	22.0	−6.0	62	15	−1	20	29	1.82	−1.94	0.99	4.2	8	19	5	7	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	20.8	−7.1	53	14	−3	20	30	2.62	−0.76	2.42	......	6	12	2	17	sw.	John Kline.
Bridgeton	Cumberland	30	57	23.1	−10.7	55	14†	2	20	32	1.45	−2.00	0.48	14.5	7	20	1	10	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	23.9	−9.3	51	15	4	20	26	1.22	−2.35	0.94	2.3	7	16	4	11	nw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	1.15	....	1.05	1.8	5	18	5	8	nw.	Central Airport, Inc
Canoe Brook	Essex	180	10	19.8	−5.1	54	14	−7	20	36	2.99	−1.02	2.66	......	7	20	2	9	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	24.1	−10.0	54	14†	7	7	27	2.77	−0.60	1.30	23.8	6	16	8	7	w.	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	19.6	−7.6	52	15	−2	11	34	3 04	−0.58	2.60	5.7	7	15	8	8	n.	Newark Water Dept
Chatham	Morris	185	36	......	......	......	......	......	......	...	3.01	−0.96	2.42	2.9	8	9	13	9	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	23.4	−8.5	56	15	4	10†	30	1.41	−2.16	0.84	5.5	5	12	2	17	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	1.47	−1.57	0.80	4.6	7	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	20.8	−6.5	52	15	3	20	27	2.88	−1.12	2.41	5.5	6	8	15	8	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	....	2.56	−1.10	1.32	10.2	6	17	9	5	......	Chas. E. Hall.
Elizabeth	Union	34	61	23.8	−7.1	54	15	−2	20	32	2.21	- 1.49	1.10	3.0	7	18	5	8	nw.	Union County Park Comm
Flemington	Hunterdon	140	§54	23.1	−7.4	54	15	1	20	31	1.66	−1.81	1.46	2.0	6	22	2	7	w.	Hiram E. Deats
Freehold	Monmouth	194	§36	22.3	...	56	15	−2	20	26	2 04	−1.98	1.07	4.0	7	22	0	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	21.9	......	55	15	−4	20	37	1.65	−2.09	1.08	6.3	6	19	3	9	w.	J. G. Wilson.
Hightstown	Mercer	110	47	22.0	−8.5	56	15	−2	20	31	1.29	−2.18	1.04	4.4	8	18	5	8	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	22.0	−10.4	55	15	−4	20	34	1.51	−2.46	1.17	3.8	7	14	9	8	w.	Edward Entwistle.
Jersey City	Hudson	81	42	25.2	−7.4	53	15	8	20	21	2.09	−1.61	1.70	3.8	7	12	10	9	nw.	Jersey Journal.
Lakewood	Ocean	54	36	23.0	−9.2	54	15	−1	20	30	2.23	−1.77	1.27	4.0	7	15	5	11	w.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	53	20 3	−10.5	54	15	0	20	27	1.78	−1.68	1.49	3.1	6	23	0	8	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	39	17.5	−8.1	38	14†	−9	20	33	1.51	−1 47	1.16	5.4	6	10	9	12	w.	A. M. Depue.
Little Falls	Passaic	157	37	22.6	−6.9	54	14	0	20	31	3.47	−0.20	3.10	2.4	8	18	3	10	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	23.1	−8.9	54	15	1	20	22	1.94	−2.20	1.58	3.2	8	7	14	10	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	19.6^{a}	......	50	15	−1	21	31	2.11	....	1.89	2.6	5	15	8	8	nw	R. H. Johnson.
Moorestown	Burlington	62	77	23.2	−8.0	57	14	3	20	25	1.12	−2.22	1.04	1.7	5	13	9	9	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	23.7	−6.2	53	15	5	20	22	2.52	−1.14	2.00	3.5	8	4	15	12	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	22.2	−8.4	55	15	−1	20	26	1.62	−1.78	1.43	2.6	6	10	10	11	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	2.42	−1.04	1.92	......	8	....	....	....	.....	Hackensack Water Co
Newton	Sussex	769	57	18.4	−8.2	42	15	−1	20	27	....	....	....	......	....	....	....	....	......	Irving J. Kern.
N. Merchantville	Camden	63	6	24.8	......	56	14	5	20	21	1.12	....	0.88	3.0	6	14	9	8	nw.	A. Reuleaux Heintze.
Pemberton	Burlington	55	10	23.5	−11.0	56	15	2	20	30	0.98	−2.55	0.73	3.0	6	18	3	10	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	22.8	−6.0	54	15	2	20	24	1.69	−1.69	1.28	5.4	6	18	5	8	......	Town Engineer.
Plainfield	Union	120	52	23.2	−7.1	55	15	2	20	25	2.41	−1.24	2.05	3.1	8	17	5	9	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	22.8	−10.8	55	15	−2	30	40	1.97	−1.23	0.70	......	9	21	3	7	w.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	....	1.99	....	1.61	1.2	5	18	3	10	.....	Norman C. Wittmer.
Ridgefield	Bergen	80	23	22.6	−6.9	53	14†	4	20	23	2.51	−1.15	2.20	4.6	6	9	14	8	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	19 4	−11.6	54	14	−13	20	34	2.00	−1.59	1.20	2.0	6	20	7	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	24.3	−7.0	51	14	8	20	17	1.73	−2 23	1.39	2.3	9	11	11	9	w.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	57	22.2	−7.3	54	15	−3	20	30	1.83	−1.69	1.65	3.8	4	21	3	7	w.	Richard H. Rogers.
Sussex	Sussex	450	45	19.6	−7.6	41	15	−5	20	33	1.27	−1.70	0.89	4.9	6	13	8	10	n.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	1.66	−2.26	1.00	2.6	7	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	68	23.6	−6.9	55	14	3	20	21	1.52	−1.79	1.12	4.4	8	10	11	10	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	23.6	−9 2	55	14†	2	20	25	1.85	−2.15	1.58	4.4	5	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	24.0	−10.0	50	15	−1	20	25	1.58	−2.09	0.82	6.3	8	18	2	11	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	1.48	−2.04	0.68	9.2	6	....	....	....	......	Edward H. Ladd.
Westfield	Union	......	...	......	......	......	......	......	......	....	2.35	....	2.03	3.9	4	21	3	7	sw.	A. H. Swenson.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	2.63	−0.91	2.12	......	8	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	1.43	....	0.34	7.3	8	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	70	25 2	−5.7	53	15	9	20	22	1.96	−1.70	1.55	3.9	8	9	12	10	nw.	U. S. Weather Bureau
Philadelphia, Pa.	......	26	69	25.3	−7.8	56	14	5	20	23	0.96	−2.24	0.73	2.9	7	11	10	10	nw.	U. S. Weather Bureau.
For the State	......	......	....	22.4	−8.5	62	15	−13	20	40	1.95	−1.70	3.10	5.6	7	16	6	9	w.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record, Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record: temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y. W. B. O. Philadelphia-2-27-40-900

Daily Precipitation for January, 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast					T.			.25	T.			.06		.48	.10		.02		07				T.	.80	T.							1.78
Barnegat City	Coast							.03	.07				.15		.72	.02		.05		.05					.15								1.24
Belleplain	Tuckahoe								.26						.10	.70		T.		.20					1.00								2.26
Belvidere	Delaware					.05			.02				.13	.05	.40	.99		.04		.14													1.82
Boonton[3]	Passaic						.03		.01	T.			.01	.10	T	2.42			T.	.05	T.												2.62
Bridgeton	Delaware								.24				.06		.11	.42		.05		.09					.48								1.45
Burlington	....do					T.			.10				.05		.22	.72		.05	.01	.07													1.22
Camden[2]	Delaware					T.		T	.04			T.	T.	.01	1.05	T.		.01	T.	.04				T.	T.	T.							1.15
Canoe Brook[3]	Passaic						.01		.01	T.			.13	.14		2.66			.01	.03													2.99
Cape May	Coast							.20	.43				03		.66			T.		.15					1.30								2.77
Charlotteburg	Passaic					.04			.05				.25	.03	.60	2.00				.07													3.04
Chatham[3]	....do	T.					.03		.02	.02			.09	.33	T.	2.42			.02	.08													3.01
Clayton	Delaware								.12						.28	.84				.07					.10								1.41
Culvers Lake	....do					.04			.03				.18	.10	.25	.80				.07													1.47
Dover	Passaic					.05			T.			*	.32		1.10	1.31		T.		.10													2 88
Egg Harbor City	Mullica								.20				.05		1.32			.04		.15				T.	.80								2.56
Elizabeth	Coast					T.			.04				.26	.08	.61	1.10		.06	T.	.06		T.											2.21
Flemington	Raritan					T.			.04			T.	03	T.	.24	1.22		.05	T.	.08													1 66
Freehold	....do								.02			T.	.09	.05	.64	1.07		.03		.14													2.04
Hammonton	Mullica					T.			.16				T.		.36	.72		.03	T.	.11					.27								1 65
Hightstown	Raritan					.01			.05			T.	.05	.02	.33	.71		.04		.08													1.29
Indian Mills	Mullica					T.			.11				.05	T.	.36	.81		.02		.15					.01								1.51
Jersey City	Coast					.03			.06	T.		T.	.17		.60	1 10		.02	T.	.11					T.								2.09
Lakewood	Metedeconk					T.			.08	T			10	05	.50	1.27		.08		.15					T.								2.23
Lambertville(nr.)	Delaware					.02			.09			T.	T.		.40	1.09	.04	T.		.14													1.78
Layton(near)	....do					.12			.03			.01	.19	T.	.51	.65																	1.51
Little Falls[3]	Passaic						.01		.04	01			.13	.10	.02	3.10			T.	.06													3 47
Long Branch[2]‡	Coast					.01			.04	.02		T.	.15	T.	1.56	.03		.05	T.	.08					T.	T.							1.94
Long Valley	Raritan						T.		.06	T.			.07	.07			1.89			T	02												2.11
Moorestown[3]	Delaware					T.	T.		.03			T.	T.	.01	T.	1.04			.02	.02					T.	T.							1.12
Newark[1]	Coast					.01		T.	.05	T.		.01	.28	.04	2.00	T.		.03	T.	.10					T.								2.52
New Brunswick	Raritan					T.			T.			T.	.08	.02	56	.87		.02	T.	.07						T.							1.62
New Milford[2]‡	Hackensack					.01			.06			.04	.03	.03	1.92	.25				.08													2.42
Newton	Delaware																																......
N. Merchantville[2]‡	Delaware					T.		.01	.06			T.	T.		.88	.01		.05	T.	.11					T.								1.12
Pemberton	Delaware					T.			.08				.03	T.	.27	.46		.05		.09													0.98
Phillipsburg	....do					.03			.04			T.	.10		1.28			.04	T.	.20													1.69
Plainfield	Raritan					.01			.01			.01	.20		*	2.05		.02	T.	.11													2.41
Pleasantville[3]	Coast						T.		.25	.40				.05		.44			.02	.03	.04				.70	.04							1.97
Rahway	Rahway						T.		T.	T.				*	.29	1.61			.01	.08													1.99
Ridgefield[2]	Hackensack					.04			.08	.02		T.	.12		.52	1.68		T.	T.	.05					T.								2.51
Runyon	Coast												.12	.03	.52	1.20		.01		.12													2.00
Sandy Hook[1]‡	Coast					.01			.03	.01		T.	16	.01	1.31	.08		.02	T.	.10													1.73
Somerville(near)	Raritan					T.			T.				.06		1 65			.02	T.	.10						T.							1.83
Sussex	Hudson					.08			T			T.	.14	.10	.15	.74				.06													1 27
Toms River	Coast								.10						.40	1.00		.04		.08			.02		.02								1.66
Trenton[1]‡	Delaware					.05		.02	.09			T.	.01	T.	1.10	.02		.13	T.	.10													1.52
Trenton No. 2[2]	Delaware					T.		.01	.11			T.	T.	T.	1.58	T.		.05	T.	.10													1.85
Tuckerton	Coast								.01				.03	.02	.08	82		.01		.01					.60								1.58
Vineland	Maurice								.17					.05		68			.02	.06					.50								1.48
Westfield	Rahway					T.			T.				.20		*	2 03			T.	.12													2.35
Woodcliff Lake[2]‡	Hackensack					.04			.08			.06	.03	.05	2.12	.15				.10													2.63
Woodstown	Delaware							.20				.06	.06		.24	.34		.05	.30						.18								1.43
New York, N. Y[1]‡	Coast					.03			.08	.01		T.	.17	T.	1 48	.07		.02	T.	.10					T.								1.96
Phila., Pa[1]‡	Delaware					.01		.01	.01			T.	T.	T.	.73	T.		.04	.02	.14					T.	T.							0.96

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight, except Newark which is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation																																
	Wind movement																																
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for January, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	26	29	29	32	35	34	27	30	32	37	36	40	38	52	50	33	24	26	26	20	30	32	31	31	27	27	24	29	31	32	36	31.8
	Minimum	17	15	16	16	13	12	17	23	20	18	23	35	35	36	31	24	14	14	6	4	17	18	19	24	16	10	9	13	12	16	18	18.1
Barnegat City	Maximum	25	29	29	32	33	32	26	32	30	35	38	41	41	52	52	34	20	26	17	18	30	30	35	36	36	26	24	29	34	33	34	31.9
	Minimum	13	10	12	13	14	12	15	22	21	10	16	34	32	36	34	21	14	13	10	4	10	14	17	26	12	12	12	11	13	15	17	16.6
Belleplain	Maximum	32	29	29	31	35	34	29	31	31	38	37	40	41	54	54	49	45	40	36	32	29	32	32	34	31	27	25	27	31	37	33	35.0
	Minimum	2	11	12	12	4	10	2	19	9	1	5	31	33	36	33	25	15	9	8	3	2	11	2	19	5	2	5	5	2	7	4	11.1
Belvidere	Maximum	24	28	30	32	25	30	27	26	30	32	29	35	37	40	62	34	22	24	21	16	26	30	31	32	28	24	22	30	31	35	36	30.0
	Minimum	9	10	15	15	16	10	12	15	8	19	10	23	33	33	33	20	11	7	7	−1	7	15	10	18	12	10	8	15	13	10	15	14.1
Boonton§§	Maximum	23	27	31	31	25	28	28	25	31	36	30	34	36	53	40	27	18	22	16	17	26	30	31	31	29	26	23	27	32	34	36	29.1
	Minimum	11	12	10	13	13	13	7	7	14	6	7	10	30	32	32	23	11	9	11	−3	6	10	14	13	12	11	11	11	8	10	10	12.4
Bridgeton	Maximum	25	26	28	31	35	32	29	30	30	35	38	41	39	55	55	34	30	25	22	17	29	32	33	32	32	24	22	26	33	36	35	32.0
	Minimum	8	15	13	12	12	10	10	20	13	8	12	32	34	35	32	26	16	11	8	2	7	15	10	18	16	5	6	8	6	4	16	14.2
Burlington	Maximum	27	28	29	32	30	34	32	28	30	34	32	38	39	47	51	38	30	24	24	17	29	32	31	32	31	27	25	29	33	37	37	31.8
	Minimum	12	15	15	15	12	11	13	19	15	9	12	29	34	34	34	25	15	11	10	4	9	14	12	22	15	12	11	14	16	11	17	16.0
Canoe Brook§§	Maximum	23	28	32	31	27	30	28	25	31	35	31	35	36	54	42	29	19	24	17	17	28	31	31	32	30	25	24	28	32	36	37	29.9
	Minimum	3	10	12	10	4	10	1	16	12	−1	3	9	30	33	33	22	11	5	11	−7	5	14	5	11	4	4	6	12	4	4	7	9.8
Cape May	Maximum	25	29	28	30	36	30	30	32	32	36	35	39	39	54	54	34	24	28	28	22	30	33	33	32	29	23	24	25	29	35	27	31.8
	Miuimum	19	11	13	14	22	11	7	24	20	12	19	30	34	27	27	22	18	13	8	9	14	10	14	14	18	12	12	10	16	12	17	16.4
Charlotteburg	Maximum	21	24	29	29	28	26	24	24	30	35	32	33	35	36	52	34	22	20	20	18	26	31	30	29	27	26	22	25	32	32	33	28.5
	Minimum	8	11	13	12	18	9	6	12	8	3	−2	21	31	29	31	12	6	5	6	−1	7	12	9	13	14	7	7	10	8	1	9	10.8
Clayton	Maximum	27	27	28	31	34	33	30	28	30	34	37	41	39	51	56	38	29	26	23	19	28	30	33	32	31	26	23	27	32	36	35	32.1
	Minimum	14	12	11	10	19	8	12	19	12	4	8	30	35	35	34	24	14	17	17	4	4	19	7	18	13	9	8	11	11	6	15	14.8
Dover	Maximum	23	17	30	30	25	28	28	25	29	34	27	34	35	40	52	30	22	20	19	16	26	30	28	30	28	25	28	27	30	35	35	28.6
	Minimum	9	12	13	14	13	9	11	15	12	7	7	23	33	35	30	14	9	7	4	3	8	14	10	19	14	9	8	12	10	9	12	13.1
Elizabeth	Maximum	25	29	33	34	31	33	30	28	34	37	32	37	38	42	54	37	31	27	27	19	30	34	32	32	31	34	26	29	35	39	45	33.1
	Minimum	10	14	11	15	10	11	6	17	16	9	12	28	34	33	34	22	10	6	10	−2	13	13	10	22	10	11	17	13	8	11	13	14.4
Flemington	Maximum	26	30	33	33	28	33	30	28	35	38	31	35	37	40	54	34	24	23	20	18	30	31	31	31	30	27	25	32	35	38	39	31.6
	Minimum	9	14	12	15	13	11	13	13	16	7	11	25	34	34	34	23	13	2	9	1	9	12	13	21	11	11	10	15	13	12	16	14.6
Freehold	Maximum	21	27	29	30	28	31	28	25	29	34	32	38	37	47	56	34	24	25	21	16	28	30	31	30	28	25	23	29	32	35	35	30.3
	Minimum	9	11	13	13	14	9	7	19	15	8	16	28	33	33	34	22	12	4	8	−2	7	15	10	21	14	10	9	13	12	13	12	14.3
Hammonton	Maximum	28	29	29	33	34	34	30	29	33	38	38	41	39	54	55	35	25	23	22	17	29	32	34	34	32	26	25	29	35	39	36	32.8
	Minimum	2	9	9	7	9	8	7	18	11	1	6	30	32	34	32	22	14	5	7	−4	4	10	6	18	10	4	8	6	7	4	6	11.0
Hightstown	Maximum	23	27	30	31	27	31	28	26	30	34	31	35	37	48	56	34	24	22	21	15	27	29	30	32	30	25	24	30	32	36	36	30.4
	Minimum	8	10	13	13	13	10	8	19	12	3	8	28	34	33	33	24	13	2	7	−2	11	13	7	22	14	10	9	12	12	11	15	13.7
Indian Mills	Maximum	24	28	29	32	32	32	29	27	30	35	36	41	38	51	55	35	24	23	22	16	30	31	33	32	29	25	24	28	33	36	36	31.5
	Minimum	1	12	11	11	6	10	10	20	12	1	6	31	34	36	33	23	15	5	8	−4	5	12	4	21	9	8	8	10	10	4	12	12.4
Jersey City	Maximum	28	29	34	34	29	32	29	24	30	36	34	39	40	45	53	36	24	26	24	20	30	34	30	31	31	29	26	28	30	36	37	31.9
	Minimum	14	16	15	19	24	16	12	17	19	15	16	30	36	35	36	24	12	11	13	8	11	18	19	22	21	15	13	15	16	20	17	18.5
Lakewood	Maximum	26	29	29	33	30	33	27	29	32	35	35	41	38	49	54	35	25	24	23	18	29	31	32	31	31	26	25	33	34	37	35	31.9
	Miuimum	7	13	14	14	9	10	8	20	18	5	8	33	34	37	34	24	13	4	10	−1	8	13	9	23	11	11	10	9	12	8	13	14.2
Lambertville (near)	Maximum	20	22	20	31	28	32	29	25	30	28	37	36	35	39	54	27	21	22	18	16	26	30	24	20	22	18	20	28	32	36	36	27.8
	Minimum	10	8	7	10	12	8	9	11	13	18	20	30	31	30	27	11	12	4	10	0	7	12	10	10	9	8	9	13	12	12	15	12.8
Layton (near)	Maximum	25	24	29	29	23	23	25	21	29	31	24	31	33	38	38	31	17	21	21	15	28	29	30	31	25	21	21	25	31	32	21	26.5
	Minimum	3	9	9	6	13	9	5	12	−1	−2	−1	21	25	31	31	12	6	2	6	−9	6	13	4	16	10	1	6	7	2	3	9	8.5
Little Falls§§	Maximum	28	28	33	33	33	30	28	30	30	35	33	36	38	54	41	29	25	24	25	20	34	34	32	30	30	27	28	29	34	35	37	31.7
	Minimum	10	14	14	15	12	13	9	15	15	4	6	13	32	32	34	23	11	9	11	0	9	16	11	19	11	11	10	11	8	10	12	13.5
Long Branch*	Maximum	23	28	30	30	28	32	28	26	30	34	37	42	38	52	54	31	19	24	21	17	28	31	29	30	29	26	24	29	33	35	35	30.7
	Minimum	10	13	14	13	12	11	13	21	16	13	15	36	34	36	32	19	9	6	3	1	11	15	14	21	16	11	10	13	12	15	15	15.5
Long Valley	Maximum	24	27	30	31	20	30	27	25	30	35	31	35	....	35	50	40	23	18	21	15	16	22	30	31	27	25	22	28	31	35	35	28.3[a]
	Minimum	7	9	12	10	10	8	10	13	14	5	5	13	30	....	30	32	20	9	4	8	−1	4	9	5	8	9	7	13	7	4	12	10.9[a]
Moorestown	Maximum	28	26	29	30	28	32	27	27	29	34	32	40	36	57	55	30	18	22	20	22	29	30	31	32	28	25	27	28	34	36	37	30.9
	Minimum	14	15	16	17	11	11	14	18	12	10	13	30	32	35	30	18	12	8	8	3	7	14	13	21	17	13	12	13	16	11	16	15.5
Newark*	Maximum	24	29	32	32	29	30	26	25	30	36	31	35	38	52	53	32	19	24	17	19	29	32	30	30	30	27	25	28	33	36	37	30.6
	Minimum	13	15	15	17	14	13	13	17	19	14	17	30	35	34	32	16	12	11	6	5	10	16	19	20	17	13	11	16	14	18	18	16.8
New Brunswick	Maximum	23	27	30	31	26	30	28	27	32	35	30	36	37	39	55	35	23	21	20	16	27	30	30	31	30	25	21	29	32	35	35	29.9
	Minimum	11	11	13	15	11	10	8	18	17	9	10	27	34	33	34	23	12	5	9	−1	10	14	13	21	15	11	9	13	12	12	14	14.6
Newton	Maximum	22	24	29	29	24	24	21	16	33	28	24	32	35	36	42	29	17	20	16	15	25	27	30	30	24	20	20	24	32	33	34	26.3
	Minimum	7	10	11	12	10	6	6	9	6	6	8	19	32	31	33	15	5	6	5	−1	6	11	10	13	12	5	9	7	5	6	9	10.6
N. Merchantville*	Maximum	25	28	30	32	30	33	28	29	31	32	32	40	37	56	53	32	19	23	23	18	30	31	32	33	29	25	25	29	33	37	37	31.4
	Minimum	15	17	17	18	13	12	16	20	18	17	20	31	35	35	32	19	14	13	8	5	14	16	18	22	19	14	13	17	18	16	18	18.1
Pemberton	Maximum	25	29	29	32	29	34	32	28	31	35	34	38	39	51	56	37	27	22	22	16	30	31	33	32	30	26	25	30	34	37	38	32.0
	Minimum	10	12	15	15	11	11	11	19	16	5	11	31	34	34	35	24	16	4	9	2	8	13	9	22	16	12	11	15	10	8	15	15.0
Phillipsburg	Maximum	24	28	30	31	26	32	27	26	29	32	29	35	37	52	54	35	21	27	23	26	28	29	29	32	28	24	22	29	32	34	37	30.6
	Minimum	13	14	15	16	13	11	12	16	11	10	12	26	33	34	32	20	13	9	6	2	10	16	12	19	15	11	11	15	14	12	15	15.1
Plainfield	Maximum	26	29	32	32	30	32	28	27	32	35	31	37	36	46	55	33	19	24	20	18	30	32	31	32	30	27	25	30	33	37	38	31.2
	Minimum	10	13	13	16	14	11	11	17	17	12	15	26	33	34	33	19	11	7	10	2	9	16	12	20	15	11	9	13	12	12	15	15.1
Pleasantville§§	Maximum	33	30	31	35	36	35	31	33	33	41	37	42	43	55	43	35	21	28	19	19	32	35	35	33	30	28	24	29	35	32	35	33.2
	Minimum	5	11	13	12	8	10	13	21	17	1	7	32	36	36	34	24	16	6	14	0	4	8	12	15	3	4	5	8	4	−2	10	12.5
Ridgefield*	Maximum	23	28	32	31	28	29	24	24	28	33	30	35	38	53	53	30	18	25	16	18	28	33	28	29	30	27	24	27	33	33	36	29.8
	Minimum	11	14	15	16	18	13	9	16	12	10	12	27	34	33	30	14	12	11	8	4	10	16	15	22	17	12	10	14	14	15	14	15.4
Runyon	Maximum	24	26	27	31	29	31	28	29	33	31	33	34	35	54	46	40	20	20	15	15	28	30	31	31	29	25	23	31	29	32	36	29.9
	Minimum	6	7	11	14	2	10	0	10	14	−3	0	27	29	34	33	20	11	−7	10	−13	9	12	−1	16	0	9	1	12	2	0	2	8.9
Sandy Hook*	Maximum	23	28	30	30	28	30	25	27	28	32	33	39	36	51	50	33	19	22	22	17	28	30	29	30	28	25	23	27	31	32	33	29.6
	Minimum	15	16	16	18	15	14	16	21	22	21	23	32	34	34	33	19	13	13	11	8	14	17	21	22	20	15	13	16	16	21	19	19.0
Somerville (near)	Maximum	27	29	31	32	29	32	29	27	34	37	31	35	37	42	54	34	25	25	20	18	28	31	32	33	30	27	24	31	34	37	38	31.4
	Minimum	7	11	10	12	13	10	9	16	13	7	11	24	30	32	31	21	10	4	8	−3	6	13	11	20	13	8	5	12	10	13	13	12.9
Sussex	Maximum	26	26	32	30	26	28	25	20	29	32	28	37	36	38	41	29	20	22	22	17	29	32	30	33	30	24	23	26	33	34	36	28.8
	Minimum	5	7	11	10	14	11	4	11	5	−1	3	20	32	31	33	18	8	5	8	−5	6	13	6	16	12	5	9	7	5	6	8	10.4
Trenton*	Maximum	22	27	30	31	27	32	28	27	30	33	31	37	38	55	53	32	19	23	22	16	28	30	30	31	28	25	23	28	32	35	37	30.3
	Minimum	12	14	15	16	12	11	15	19	17	17	20	31	34	34	32	19	10	10	6	3	13	15	17	22	17	12	11	16	16	19	17	16.8
Trenton No. 2*	Maximum	24	28	30	32	26	33	28	28	32	36	36	37	38	55	55	35	23	24	22	16	29	30	32	32	28	25	23	30	33	36	37	31.4
	Minimum	11	12	14	15	13	10	12	19	15	11	16	29	34	33	33	23	11	8	7	2	12	14	15	21	18	11	10	15	15	16	16	15.8
Tuckerton	Maximum	32	30	30	36	32	34	32	32	33	37	38	40	41	43	50	39	32	28	24	18	30	32	32	33	34	26	28	30	33	35	36	33.2
	Minimum	9	10	12	12	15	12	12	22	18	13	13	35	34	38	36	21	15	9	10	−1	9	11	12	19	12	6	6	9	9	11	11	14.8
New York, N. Y.*	Maximum	27	30	34	34	30	30	28	26	27	37	36	41	42	51	53	32	21	25	22	20	29	32	33	29	32	30	26	30	34	36	34	31.9
	Minimum	13	16	15	18	15	15	13	18	18	18	26	34	37	35	31	17	12	12	11	9	12	17	20	21	20	14	13	15	18	22	16	18.4
Philadelphia, Pa.*	Maximum	24	28	30	33	31	33	29	30	33	32	34	40	38	56	54	31	20	23	23	18	29	31	30	34	29	26	25	28	33	37	38	31.6
	Minimum	15	17	16	18	12	11	18	20	19	22	25	32	36	35	31	20	14	14	9	5	15	16	21	22	19	14	13	18	19	24	20	19.0

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLV. FEBRUARY, 1940. No. 2.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Although temperatures for the month averaged slightly above normal, it was the coldest February of the last four years. The coldest weather occurred during the first three days and the last five days of the month. Only one sub-zero reading was recorded, —1° at Layton on the 27th. The warmest days were the 12th and 13th, with most stations recording their highest temperature on the 12th. There was no general thaw. The heavy ice on the Delaware River thinned gradually, thus preventing trouble from ice jams. By means of an ice breaker, the marine terminal at Trenton was opened to navigtion about the 14th, having been closed since the last week in December.

The average precipitation for the State, 3.03 inches, was 85 percent of normal, this being the fourth successive month with less than normal precipitation. Moderate rains fell on the 6-7th, 10-11th and 19-20th; the remainder of the precipitation was practically all in the form of snow. The snowfall was almost 50 percent greater than normal. The heaviest fall occurred on the 14-15th, during the passage of a storm which caused heavy snow in the Middle and North Atlantic States. This snow was preceded by sleet in central and northern New Jersey. Little coating of trees and objects occurred, however.

Snow depths from this storm ranged from two or three inches in the extreme south to more than a foot in some northern localities. The storm was accompanied by high winds which blockaded roads with drifts several feet high. As a result, schools were closed in many communities on the 15th. Maximum wind velocities reached 54 miles an hour at Atlantic City, 52 miles at Long Branch, and 49 miles at Sandy Hook. Barometric pressure at Trenton, 28.89 inches, sea level, was the lowest since March, 1932.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 31.9°, which was 1.3° above normal. The highest temperature was 65° at Elizabeth on the 12th, and the lowest, —1°, at Layton on the 27th. The greatest daily range of temperature was 43° at Canoe Brook on the 17th. The highest monthly mean temperature was 34.6° at Hammonton, and the lowest, 26.4° at Newton.

The temperature departure from the normal for the year, 1940, to date, for the State is —3.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 53 stations, was 3.03 inches, which was 0.52 inch below normal. The average total snowfall at 23 selected stations was 12.2 inches, which was 3.4 inches above normal. The greatest monthly precipitation was 4.52 inches, at Lakewood, and the least, 1.78 inches at Layton. The greatest amount of precipitation in any 24 consecutive hours was 2.01 inches at Long Branch on the 14-15th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is —2.22 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 6, 7, 10, 11, 27, 28. THUNDERSTORMS: 11.
SLEET: 2, 6, 9, 11, 13, 14, 15, 18, 19, 20, 21.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	29 95	30.42	17	28.74	14	17.4	54	e.	19	75	68	71	51
Long Branch	29.94	30.40	17	28.85	14	13.1	52	ne.	14	76	63	69	53
Ridgefield	29.92	30.42	17	28.95	14		....		....	....	....	....	....
Sandy Hook	29.93	30.41	17	28.89	14	16.0	49	ne.	14	81	68	78	47
Trenton	29.94	30.43	17	28.89	14	10.2	28	nw.	14	71	59	66	55

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	**39.9**	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	−31	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
1938	35.5	70	6	2.31	1.1	10	9	6	13
1939	36.3	74	1	5.55	2.0	11	11	6	11
1940	31.9	65	−1	3.03	12.2	11	12	6	11
Period	30.6	80	−31	3.55	8.8	9	11	7	10

Climatological Data for February, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	34.5	+0.9	50	13	13	3	25	3.50	+0.02	1.18	4.6	15	9	7	13	nw.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	33.3	....	48	7†	13	3	24	2.95	−0.83	0.98	4.7	10	9	6	14	n.	U. S. Coast Guard.
Belleplain	Cape May	49	46	34.4	+1.7	60	12	1	1	35	3.73	+0.40	1.17	11.3	11	16	4	9	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	31.0	+2.8	56	12	10	3	33	2.49	−1.07	0.69	11.5	8	16	2	11	....	Miss C. S. Hixson.
Boonton	Morris	280	§50	29.6	+1.6	55	12	8	27	35	2.54	−0.76	0.75	....	7	10	1	18	ne.	John Kline.
Bridgeton	Cumberland	30	67	34.4	+0.4	62	12	11	1†	35	3.80	+0.58	1.05	14.0	12	16	3	10	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	33.7	+0.5	60	12	12	3	32	2.67	−0.65	0.62	13.8	11	14	3	12	ne.	Public Service G. & E. Co.
Camden	Camden	20	8	....	....	....	....	....	....	....	2.73	....	0.81	11.0	11	9	8	12	nw.	Central Airport, Inc
Canoe Brook	Essex	180	10	29.4	+0.8	57	12	3	17	43	3.37	+0.56	1.46	....	12	15	4	10	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	32.3	−1.8	50	9	8	15	26	2.64	−0.65	0.96	2.3	11	10	9	10	n.	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	28.7	+1.7	55	12	3	23†	34	2.89	−0.80	0.91	16.5	12	8	10	11	w.	Newark Water Dept.
Chatham	Morris	185	36	....	....	....	....	....	....	....	3.01	−0.86	1.19	14.5	12	9	10	10	..	Paul Molitor, Sr.
Clayton	Gloucester	120	27	33.6	+2.0	60	12	11	3	34	3.10	−0.24	1.12	8.4	11	9	2	18	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	....	....	....	....	....	....	....	1.94	−1.02	0.70	12.2	11	....	....	....	....	L. S. Depue.
Dover	Morris	600	56	29.9^{d}	+2.7	55	12	10	3†	33	2.98	−0.79	1.20	15.4	9	10	4	15	....	William C. Harris
Egg Harbor City	Atlantic	63	18	....	....	....	....	....	....	....	3.94	−0.26	1.14	6.2	11	20	1	8	....	Chas. E. Hall.
Elizabeth	Union	34	61	33.1	+2.9	65	12	10	17†	38	3.94	+0.08	1.40	11.9	12	11	4	4	ne.	Union County Park Comr
Flemington	Hunterdon	140	§54	32.6	+2.3	57	12	12	3	29	2.25	−1.07	0.41	8.5	12	15	5	9	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	32.4	....	59	12	10	3	30	3.54	−0.40	1.33	12.2	9	16	4	9	w	Moreau Plant Co.
Hammonton	Atlantic	95	§34	34.6	....	62	12	6	2	33	3.80	+0.56	0.98	9.7	13	12	5	12	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	32.0	+1.0	59	12	11	3	30	2.79	−0.60	1.07	12.6	12	11	8	10	e.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	33.2	+0.5	60	12	7	1	36	3.00	−0.67	1.09	11.6	12	9	11	9	nw.	Edward Entwistle.
Jersey City	Hudson	81	42	34.0	+2.3	57	12	15	3†	26	3.25	−0.68	1.30	10.3	11	8	11	10	ne.	Jersey Journal.
Lakewood	Ocean	54	36	33.0	+1.5	59	12	11	27	34	4.52	+0.63	1.38	13.0	12	9	7	13	nw.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	53	30.8	+0.2	57	12	9	3	27	2.49	−0.89	0.52	11.9	14	13	5	11	ne.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	39	27.0	+1.7	56	12	−1	27	39	1.78	−1.21	0.76	16.0	9	8	4	17	ne.	A. M. Depue.
Little Falls	Passaic	157	37	31.2	+0.9	58	12	10	27	32	3.48	−0.32	1.28	16.5	10	10	10	9	ne.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	32.9	+1.6	56	12	11	3	26	3.95	−0.18	2.01	9.4	11	5	9	15	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	28.6^{a}	....	55	12	8	15	38	3.20	....	1.28	16.5	8	14	6	9	nw.	R. H. Johnson.
Moorestown	Burlington	62	77	32.8	+1.0	60	12	13	3	26	2.53	−0.72	0.65	11.0	10	11	4	14	ne.	Japanese Beetle Laboratory
Newark	Essex	10	41	32.2	+2.6	59	12	15	2†	28	2.77	−0.68	1.06	10.3	12	6	8	15	....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	31.9	+0.8	58	12	12	3	30	3.11	−0.26	0.83	11.9	11	11	5	13	w.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	....	....	....	....	....	....	....	2.64	−0.43	0.95	....	12	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	57	26.4	−0.8	44	17	5	26†	33	2.83	−0.32	1.07	20.0	11	13	2	14	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	34.0	....	61	12	14	3	29	3.50	....	1.14	12.6	12	7	11	11	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	32.0	+1.3	58	12	12	27	28	2.23	−1.75	0.62	11.2	9	13	4	6	nw.	J. W. Cook.
Pemberton	Burlington	55	10	34.0	+0.4	63	12	11	3	43	2.51	−0.30	0.59	8.7	12	14	6	9	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	30.6	+1.7	56	12	10	3	29	4.12	+0.81	0.99	16.2	13	16	4	9	....	Town Engineer.
Plainfield	Union	120	52	32.4	+2.7	58	12	13	3	32	3.10	−0.65	1.27	12.9	10	11	3	15	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	33.2	−0.4	52	13	7	27	32	3.36	+0.46	1.00	....	13	12	6	11	nw.	N. J. Water Policy Comm.
Rahway	Union	20	....	....	....	....	....	....	....	....	3.77	....	1.45	14.2	9	11	2	16	....	Norman C. Wittmer.
Ridgefield	Bergen	80	23	31.0	+1.2	55	12	12	27	25	2.34	−1.56	1.22	12.9	13	7	9	13	n.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	30.3	−0.5	61	12	4	1	39	3.22	−0.05	1.01	9.2	11	13	12	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	32.3	+0.2	50	12	16	3	19	2.31	−1.59	0.93	8.1	11	9	6	14	nw.	U. S. Weather Bureau
Somerville (near)	Somerset	385	57	31.8	+1.9	58	12	11	3†	31	2.26	−1.19	0.73	12.6	6	15	6	8	w.	Richard H. Rogers.
Sussex	Sussex	450	45	28.4	+1.5	55	12	1	23	37	3.09	+0.13	0.79	21.0	12	13	5	11	ne.	Marshall Hunt.
Toms River	Ocean	33	19	....	....	....	....	....	....	....	3.25	−0.85	1.24	12.6	11	....	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	68	32.7	+2.0	59	12	13	3	28	2.94	−0.47	1.29	11.4	13	8	7	14	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	32.5	+1.1	59	12	11	3	28	2.86	−0.07	1.25	11.2	11	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	47	34.1	+0.8	50	12†	12	3	28	3.52	+0.03	1.01	6.0	12	16	1	12	ne.	John H. Brown.
Vineland	Cumberland	109	60	....	....	....	....	....	....	....	3.73	+0.45	1.42	8.6	12	....	....	....	....	Edward H. Ladd.
Westfield	Union	....	....	....	....	....	....	....	....	....	3.20	....	1.20	11.0	9	13	7	9	n.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	22	....	....	....	....	....	....	....	2.83	−0.31	0.93	....	12	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	6	....	....	....	....	....	....	....	1.99	....	0.70	11.5	8	....	....	....	....	Charles Bishop.
New York, N. Y.	....	10	70	33.0	+1.7	54	12	15	26	23	3.33	−0.64	1.44	9.8	11	8	8	13	n.	U. S. Weather Bureau
Philadelphia, Pa	....	26	69	34.8	+0.9	57	12	15	3	25	2.90	−0.53	0.94	11.7	11	8	8	13	nw.	U. S. Weather Bureau.
For the State	....	....	....	31.9	+1.3	65	12	−1	27	43	3.03	−0.52	2.01	12.2	11	12	6	11	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Northfield is Pleasantville: Pleasantville, Canoe Brook and Runyon are Trenton: Charlottebur? is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-12-40-900

Daily Precipitation for February, 1940

Stations	Drainage Basin	Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City¹‡	Coast	T.	.03				.09	.18			.41	.56			1.11	.07			.03	.38	.19	.06			.04	.06		.25	.04				3.50
Barnegat City⁴	Coast		.12				.02	.08			.33	.31			.98				T.	.71	.13	T.			.07	T.		.20					2.95
Belleplain	Tuckahoe		.12				.12				.53	.61			1.00	.17				.43	.28	.14						.23	.15				3.73
Belvidere	Delaware		.10				.16				.31	.34				.69				.53	T.	.16		T.	T.			.20					2.49
Boonton³	Passaic		.05	T.				.18			T.	.68			.05	.71				T.	.75	T.				T			.12				2.54
Bridgeton	Delaware		.14				.13	.03			.30	.45			1.05	.13			T.	.47	.22					.05		.23	.60				3.80
Burlington	...do		.20				.17	T.			.24	.22		.01	.62	.28				.60	.05	T.						.20	.08				2.67
Camden²	Delaware	T.	.0[illegible]				.09	.09			.28	.18		T.	.81	.05			.16	.78	.03	T.			T.	T.		.20	T.				2.73
Canoe Brook³	Passaic		.03	.01				.17			.04	.42			.10	1.46				.15	.78	.01				.01			.19				3.37
Cape May⁴	Coast		.22				T.	.30			.18	.10			.96				.07	.16	.47				.08	.07		.03					2.64
Charlotteburg	Passaic		.07				.05	.07			.14	.36			.91	.45				.50	.22	.05						.05	.02				2.89
Chatham³	...do		.04	.02				.18			.03	.47			.05	1.19				.16	.62	.04				.03			.18				3.01
Clayton	Delaware						.24	.10			.15	.17			.64	.12				1.12	.10	.17						.14	.15				3.10
Culvers Lake	...do			.04			.10	.06			.15	.27			.70	.20				.18	T.	.04				.02		.18	T.				1.94
Dover	Passaic	*	.10				.16				.35	.19			1.20					.83		.05			T.			.10					2.98
Egg Harbor City	Mullica		.05				.19				.47	.46			1.14				.09	1.00	.27	.04			.01			.22					3.94
Elizabeth	Coast		.18				.11	.06			.25	.25			.85	.53				1.40	.20	.02						.15	.02				3.94
Flemington	Raritan		.11				.16	.05			.25	.30		T.	.40	.10				.41	.07					.03		.28	.09				2.25
Freehold	...do		.12					.20			.27	.31			.94	.08				1.33	.10							.19					3.54
Hammonton	Mullica		.07				.30	.06			.19	.45			.72	.51				98	.08	.13				.03		.21	.07				3.80
Hightstown	Raritan		.11				.14	.09			.20	.24		T.	*	1.07				.73	.05	.02						.11	.03				2.79
Indian Mills	Mullica		.08			T.	.13	.06			.21	.29		T.	*	1.09			T.	.73	.09	.03				T.		.27	.02				3.00
Jersey City	Coast	T.	.06				.09	.02		T.	.19	.23			1.30	.10				.81	.28	T.				T.		.16	.01				3.25
Lakewood	Metedeconk		.14				.12	.08			.27	.33			1.28	.46				1.38	.15	.08						.20	.03				4.52
Lambertville(nr.)	Delaware		.16				.18	.03			.18	.10		.03	.52	.35				.48	.18	.04				.03		.19	.02				2.49
Layton(near)	...do		.04				.10	.06			.12	.02		T.	.76	.31				.07	T.	T.						.30	T.	T.			1.78
Little Falls³	Passaic		.07	T.			.19			.09	.35			.12	1.28				.02	1.22	T.								.13	.01			3.48
Long Branch²‡	Coast	T.	.10				.16	.02			.31	.31		T.	1.94	.07			.03	.68	.11	T.						.22	T				3.95
Long Valley	Raritan		.07					.15				.62			*	1.28					*	.81				T.			.27				3.20
Moorestown³	Delaware		.06					.18			.12	.41			.03	.65				.50	.29	.04							.25				2.53
Newark⁴	Coast	T.	.04				.15	T.		T	.37	.15		.01	.74	.01			.01	1.06	.04	T.			T.	T.		.18	.01				2.77
New Brunswick	Raritan		.07				.11	.02		T.	.19	.25			.63	.71				.83	.08	T.						.16	.06				3 11
New Milford²‡	Hackensack	.03	.04				.23	.02			.34	.08		.03	.95					.68	.09							.08	.07				2.64
Newton	Delaware		.10				.11	.04						T.	.90	1.07				.30	.06	.04				.01		.15	.05				2.83
N. Merchantville²‡	Delaware	T.	.08				.22	.02			.29	.21		.01	1.14	1.13			.11	.89	.08	T.			T.			.32	T.				3.50
Paterson	Passaic	T.	.03				.21	T.			.25	.04		T.	.33	.62				.60	.03							.12	T.				2.23
Pemberton	Delaware		.08				.12	.06			.19	.39			.49	.59				.37	.01	.02						.12	.07				2.51
Phillipsburg	...do	.06	.14				.15	.05			.38	.35		.09	.99	.70				.74	.11	.04			T.	T.		.32	T.				4.12
Plainfield	Raritan	T.	.08				.14				.29			T.	*	1.27				1.00	.09	.02			T.	.01		.20	T.				3.10
Pleasantville³	Coast		.01	.08				.26	.01		.02	.98	T.		.03	.97				.28	.29	.11				.10			.22				3.36
Rahway	Rahway		.02					.12			.03	.42			.10	1.10			.33	1.45								.20					3.77
Ridgefield²	Hackensack	.03	.08				.09	.06			*	.18		.01	*	1.22			T.	.33	.13	.03						.18	T.				2.34
Runyon	Coast		.07				.19	.09			.17	.24			*	1.02				1.01	.20	.02						.21					3.22
Sandy Hook¹‡	Coast	T.	.05				.17	T.		T.	.28	.16		.01	.86	.07			.03	.50	.03	T.				T.		.15	T.				2.31
Somerville(near)	Raritan		.11				.23				.39					.73				.57		T.						.23					2.26
Sussex	Hudson		.06				.30	.01			.17	.42			.79	.57				.29	.11	.16			T.	T.		.11	.10				3.09
Toms River	Coast		.09				.10	.04		.22	.22				1.00					1.24	.13	.04						.13	.04				3.25
Trenton¹‡	Delaware	T.	.16				.20	.01			.26	.23		.01	1.11	.18			.11	.45	.02	.01			T	T.		.19	T.				2.94
Trenton No. 2²	Delaware	T.	.13				.20	T.			.24	.16		.03	1.24	.01			.10	.48	.05	T.			T.	T.		.22	T.				2.86
Tuckerton	Coast		.08				.11	.08			.22	.52			1.01	.30				.69	.18	.10				.03		.20	T.				3 52
Vineland	Maurice		.03	.06				.16			.07	.63			.01	1.41				.68	.21	.17				.02			.28				3.73
Westfield	Rahway		.07					.15			.07	.39			.10	1.10				.28	.82								.22				3.20
Woodcliff Lake²‡	Hackensack	.02	.03				.20	.02			.32	.16		.03	.93					.89	.11							.06	.06				2.83
Woodstown	Delaware		.15				.22		T.			.15			.70				T.	.35	.10					.02		.30	T.				1.99
New York, N. Y¹‡	Coast	T	.06				.10	.01		T.	.30	.09		.02	1.44	T.			.01	1.06	.05	T.			T.	T.		.19	T.				3.33
Phila., Pa¹‡	Delaware	T.	.04				.18	T.			.34	.17		T.	.89	.05			.13	.75	.03	.01			T.			.31	T.				2.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. ⁴ Precipitation is from 1:30 a. m. to 1:30 a .m. ² Precipitation for period from midnight to midnight. ³ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation																																
	Wind movement																																
Pleasantville³	Evaporation																																
	Wind movement																																
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ³ Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for February, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	35	34	38	39	40	44	45	43	47	44	47	49	50	41	35	37	46	41	46	38	41	34	42	42	46	32	35	44	39	....	....	41.2
	Minimum	19	16	13	27	32	34	36	31	34	34	39	36	37	24	23	21	24	31	37	34	29	23	26	30	22	16	18	33	27	....	....	27.8
Barnegat City	Maximum	36	30	37	41	44	43	48	45	46	43	47	48	46	38	34	36	42	41	44	37	40	33	39	41	45	31	39	39	37	....	....	40.3
	Minimum	18	22	13	29	23	24	36	27	29	33	38	28	36	28	21	19	22	31	36	33	31	22	21	27	28	16	17	30	25	....	....	26.3
Belleplain	Maximum	35	35	38	47	50	47	51	46	52	47	53	60	59	50	46	41	48	43	46	43	40	41	45	38	45	39	34	41	43	....	....	44.9
	Minimum	1	25	10	19	26	24	40	25	28	31	40	25	32	30	21	16	18	23	37	32	30	16	19	18	30	13	10	30	24	....	....	23.9
Belvidere	Maximum	36	32	39	40	44	39	41	38	40	38	45	56	48	34	35	37	50	37	37	41	40	38	40	39	38	30	24	31	40	...	....	38.9
	Minimum	11	20	10	28	25	25	35	30	30	32	34	28	30	22	19	17	17	21	32	33	28	12	22	28	22	11	12	18	14	....	....	23.0
Boonton§§	Maximum	34	28	37	36	42	45	42	40	42	42	43	55	47	29	32	35	49	39	36	38	38	38	37	38	37	28	24	36	40	....	....	38.2
	Minimum	12	15	13	18	24	21	28	29	27	29	31	27	28	27	19	18	14	18	24	34	30	20	12	19	23	12	8	12	14	....	....	20.9
Bridgeton	Maximum	40	35	38	43	47	43	47	45	55	49	50	62	52	45	35	37	42	42	45	42	41	39	41	44	44	31	32	39	43	....	....	43.0
	Minimum	11	22	11	24	27	28	34	33	27	32	38	27	36	25	21	16	21	26	37	32	31	21	22	25	30	15	18	29	27	....	...	25.7
Burlington	Maximum	40	37	39	43	44	43	49	42	46	42	47	60	53	45	35	36	46	42	40	38	38	38	38	45	43	31	28	38	41	....	....	41.6
	Minimum	14	25	12	27	28	27	38	29	29	32	35	28	34	27	20	20	21	25	34	34	32	20	23	24	30	15	17	24	24	....	....	25.8
Canoe Brook§§	Maximum	38	29	38	40	42	41	43	42	44	44	45	57	49	30	33	37	46	39	38	38	40	38	39	40	37	29	24	37	41	....	....	39.2
	Minimum	4	17	12	20	19	16	30	28	23	32	32	24	25	28	20	16	3	12	29	33	30	15	10	20	27	12	7	17	9	....	....	19.7
Cape May	Maximum	35	35	35	38	41	38	45	42	50	46	46	43	46	46	34	34	39	38	46	40	40	38	40	42	43	30	36	39	41	....	....	40.2
	Minimum	22	22	14	19	30	28	35	20	30	33	32	26	37	27	8	14	24	27	30	28	33	22	23	18	28	18	10	25	24	....	....	24.4
Charlotteburg	Maximum	34	32	36	36	40	36	44	41	41	40	40	55	53	33	29	32	44	43	38	36	37	38	37	36	36	29	25	34	39	....	....	37.7
	Minimum	12	22	9	22	16	24	31	26	28	28	31	32	30	22	12	10	19	16	32	30	26	11	3	12	24	12	3	16	11	....	....	19.7
Clayton	Maximum	39	36	38	41	46	44	51	48	52	49	51	60	56	45	34	33	42	41	43	39	40	36	39	45	44	33	27	39	40	....	....	42.4
	Minimum	13	25	11	25	26	28	36	27	27	31	39	26	34	23	21	16	19	25	35	32	30	18	20	22	31	14	14	25	25	....	....	24.8
Dover	Maximum	35	28	37	36	40	42	45	39	40	36	42	55	46	30	....	34	45	37	36	37	37	38	36	38	35	27	...	....	39	....	....	38.1ᶜ
	Minimum	14	12	10	24	23	22	34	28	28	30	34	31	27	21	....	15	12	....	32	32	28	16	12	21	17	10	10	....	...	....	....	21.7ᵈ
Elizabeth	Maximum	40	45	44	41	44	39	45	39	49	41	53	65	53	47	36	46	48	40	38	40	43	40	49	42	41	33	28	39	44	....	....	43.2
	Minimum	14	26	12	29	23	21	36	27	26	33	22	27	29	25	20	17	10	24	33	33	30	20	17	22	28	12	10	22	19	....	....	23.0
Flemington	Maximum	39	35	41	41	48	39	45	42	43	40	47	57	48	42	34	35	46	39	37	38	39	41	39	42	40	30	26	36	43	....	. .	40.4
	Minimum	14	26	12	28	27	26	35	29	28	32	34	29	31	24	19	16	21	22	33	34	30	28	22	23	26	14	14	22	20	....	....	24.8
Freehold	Maximum	37	34	36	38	41	56	43	43	43	40	53	59	50	40	33	36	42	36	37	36	39	36	37	42	41	29	30	37	38	....	....	40.2
	Minimum	14	24	10	30	28	26	38	26	29	31	40	30	32	27	19	17	16	22	33	32	28	17	23	23	35	13	12	23	19	....	....	24.7
Hammonton	Maximum	40	38	39	42	47	47	51	44	53	49	53	62	57	47	34	35	44	45	43	41	42	42	42	47	44	34	29	40	42	....	....	43.9
	Minimum	11	6	12	25	27	28	38	28	29	30	41	29	35	32	21	18	19	24	36	35	31	18	22	23	34	15	14	27	24	....	....	25.2
Hightstown	Maximum	37	34	37	38	44	40	50	41	44	41	45	59	51	42	26	34	41	37	38	37	39	37	37	43	40	29	26	38	38	....	....	39.4
	Minimum	14	23	11	28	29	26	38	28	29	30	35	29	30	26	21	17	17	21	33	33	31	18	22	23	27	15	13	23	21	....	....	24.5
Indian Mills	Maximum	40	35	39	41	47	45	53	43	51	47	53	60	52	43	34	35	41	41	42	38	39	40	39	45	42	30	30	38	40	.. .	....	42.2
	Minimum	7	22	12	27	27	26	38	25	28	32	40	24	35	25	21	18	20	22	35	33	31	17	16	20	26	14	9	26	23	....	....	24.1
Jersey City	Maximum	38	37	38	40	42	41	44	44	45	44	46	57	48	40	34	38	47	40	37	38	40	38	40	37	40	41	27	36	41	....	....	40.6
	Minimum	22	28	15	28	33	31	39	32	33	34	36	34	39	28	20	20	22	25	35	34	31	20	25	27	29	15	15	22	22	....	....	27.4
Lakewood	Maximum	40	34	38	41	42	43	54	44	47	45	53	59	51	42	35	37	44	38	38	38	41	36	41	42	45	32	31	40	42	....	....	41.8
	Minimum	14	24	13	28	25	22	37	25	29	30	42	25	29	28	20	16	15	21	35	35	31	17	19	20	28	14	11	26	22	....	....	24.2
Lambertville (near)	Maximum	38	31	35	39	43	37	46	41	43	36	45	57	52	41	33	34	46	41	36	35	36	38	37	40	34	27	24	37	39	....	....	38.7
	Minimum	16	21	9	12	29	26	36	27	29	31	34	33	30	23	17	15	20	22	32	32	28	14	21	23	22	11	12	18	22	....	....	22.9
Layton (near)	Maximum	31	29	36	36	41	36	42	40	41	36	47	56	46	25	29	32	44	36	33	39	35	39	34	38	35	25	20	35	41	....	...	36.4
	Minimum	1	13	9	24	19	20	34	27	27	29	32	30	23	20	17	14	20	9	31	33	24	0	1	16	17	3	−1	15	4	....	....	17.6
Little Falls§§	Maximum	36	33	38	38	40	45	44	43	42	45	44	58	47	29	37	38	47	39	37	38	42	40	39	39	37	30	30	37	42	....	....	39.8
	Minimum	11	25	13	22	22	20	30	29	28	32	32	29	30	27	19	18	15	16	34	34	29	17	13	23	29	12	10	18	15	....	...	22.5
Long Branch*	Maximum	37	32	37	39	41	51	54	43	43	46	52	56	50	36	34	37	42	36	37	36	39	34	38	40	42	30	33	38	40	....	....	40.4
	Minimum	16	14	11	29	30	28	33	27	32	34	37	31	35	22	21	20	22	28	34	33	28	22	23	26	20	16	14	27	23	....	....	25.4
Long Valley§§	Maximum	34	28	38	38	39	44	40	38	40	42	45	55	47	26	30	35	45	....	40	36	37	37	38	39	34	28	30	34	40	.. .	....	37.8ᵃ
	Minimum	10	13	10	19	21	20	30	27	23	30	32	17	27	21	8	18	15	25	....	10	9	16	28	20	11	24	23	15	19	....	....	19.3ᵃ
Moorestown	Maximum	39	32	39	41	45	51	46	42	48	49	50	60	51	38	33	34	41	38	40	37	38	37	37	43	44	29	27	35	38	....	....	40.8
	Minimum	14	15	13	19	29	32	34	29	29	32	34	34	38	22	20	18	21	26	35	34	24	20	24	26	19	15	16	24	24	....	....	24.8
Newark*	Maximum	37	31	39	38	41	43	46	42	43	39	45	59	48	32	34	37	44	37	37	39	39	36	39	39	39	29	25	36	43	....	....	39.2
	Minimum	19	15	15	29	31	27	36	31	31	33	35	31	29	21	22	20	23	26	33	32	24	21	23	27	18	16	15	22	23	....	...	25.1
New Brunswick	Maximum	36	35	38	38	43	44	46	47	42	40	46	58	53	43	32	36	43	41	37	35	37	35	36	40	39	28	27	33	39	....	....	39.6
	Minimum	15	26	12	29	26	25	35	27	29	30	34	28	32	25	19	18	18	22	33	33	31	18	21	22	28	14	13	22	16	....	....	24.2
Newton	Maximum	30	29	32	32	39	37	38	36	40	35	32	38	35	36	30	33	44	33	32	37	38	32	34	40	34	25	20	32	42	....	....	34.3
	Minimum	9	15	8	23	22	25	32	26	28	26	22	22	22	19	15	13	20	16	28	30	19	8	18	18	18	5	5	14	9	....	....	18.4
N. Merchantville*	Maximum	40	34	40	43	46	48	46	44	50	41	47	61	52	38	36	36	45	38	40	38	40	39	38	46	42	30	26	38	41	....	....	41.5
	Minimum	20	16	14	30	30	32	37	32	31	32	38	32	37	21	22	19	23	27	35	34	27	20	26	28	20	16	18	26	25	....	....	26.5
Paterson§§	Maximum	38	32	38	38	42	43	44	43	46	44	44	58	48	33	35	38	48	40	43	40	42	39	38	39	38	30	25	36	39	....	....	40.0
	Minimum	16	19	19	28	28	23	29	29	29	33	33	32	33	28	24	19	20	20	23	33	30	20	18	21	26	14	12	15	19	....	....	23.9
Pemberton	Maximum	39	37	39	41	47	45	54	12	50	43	52	63	56	45	33	35	43	42	40	38	40	40	39	46	43	32	31	38	42	. ..	....	42.6
	Minimum	13	27	11	26	27	27	38	29	28	33	41	20	34	27	20	17	19	25	35	34	32	20	21	23	30	16	15	25	24	....	....	25.4
Phillipsburg	Maximum	36	32	39	39	42	37	40	40	42	38	45	56	45	31	33	35	42	38	38	40	36	33	37	40	39	28	24	32	38	....	....	37.8
	Minimum	16	15	10	28	29	26	35	29	26	33	34	28	30	20	19	17	22	23	33	33	24	16	22	26	19	14	16	20	16	....	....	23.4
Plainfield	Maximum	38	32	40	41	44	37	44	43	44	36	47	58	50	32	36	40	48	38	37	39	42	40	41	42	40	30	26	40	40	....	....	40.2
	Minimum	15	19	13	28	26	24	37	29	27	33	35	29	32	23	21	20	16	25	34	34	30	20	21	25	24	14	14	22	21	....	....	24.5
Pleasantville§§	Maximum	40	34	40	40	43	49	44	47	49	49	50	49	52	43	37	39	47	43	49	39	45	40	45	44	47	29	33	33	43	....	....	42.8
	Minimum	8	16	13	24	25	22	34	25	27	27	33	28	33	37	22	19	20	23	34	35	32	19	15	19	32	16	7	18	25	....	...	23.7
Ridgefield*	Maximum	37	29	38	36	40	44	45	44	42	39	44	55	46	30	34	38	34	38	38	38	38	37	38	39	38	28	24	36	41	....	....	38.2
	Minimum	17	14	13	27	28	26	36	29	32	33	36	33	29	19	19	19	20	22	34	33	23	19	19	25	18	13	12	22	19	....	.. .	23.8
Runyon	Maximum	37	32	40	31	33	43	42	47	44	37	46	61	60	32	32	38	42	44	42	42	41	39	38	43	41	38	25	38	40	....	....	40.3
	Minimum	4	30	9	15	22	28	37	20	22	29	34	22	30	29	20	18	5	19	33	35	20	15	10	15	15	12	6	25	11	....	....	20.3
Sandy Hook*	Maximum	35	30	35	35	34	47	50	40	42	41	43	50	47	35	33	35	40	36	37	36	38	33	38	39	39	29	32	35	38	.. .	....	38.0
	Minimum	19	16	16	28	29	28	36	31	31	34	35	33	34	23	23	21	25	30	34	32	28	23	26	28	22	17	18	27	25	....	....	26.6
Somerville (near)	Maximum	38	35	35	41	45	43	44	42	45	42	46	58	52	43	34	37	48	42	37	39	40	39	39	41	41	32	26	35	40	....	....	40.7
	Minimum	12	25	11	24	16	24	37	27	29	31	33	29	31	26	19	16	17	20	33	33	29	15	20	21	29	11	11	20	14	....	....	22.9
Sussex	Maximum	32	32	37	36	42	38	43	42	43	40	41	55	52	27	32	35	45	36	36	40	39	37	31	38	43	28	26	34	39	....	....	37.9
	Minimum	9	22	11	25	22	20	35	28	27	30	32	30	26	19	17	16	9	8	30	32	28	3	1	17	22	6	2	16	2	....	....	18.8
Trenton*	Maximum	39	32	39	38	43	48	48	42	44	39	46	59	49	36	34	35	43	37	38	38	37	37	37	43	39	28	27	35	39	....	....	39.6
	Minimum	19	14	13	30	31	30	36	31	31	33	37	31	34	21	22	20	24	27	34	34	26	20	26	27	19	15	16	24	24	....	...	25.8
Trenton No. 2*	Maximum	39	32	38	41	44	47	47	43	46	39	46	59	50	35	35	35	43	40	37	39	38	39	38	44	40	30	25	37	40	....	....	40.2
	Minimum	16	17	11	28	31	30	35	29	30	31	34	31	33	20	20	17	22	25	34	33	29	19	24	26	18	15	15	24	22	....	....	24.8
Tuckerton	Maximum	38	33	34	40	40	40	47	46	47	45	48	50	50	44	35	35	45	40	45	45	44	42	42	43	44	41	32	44	43	....	....	42.1
	Minimum	13	28	12	26	28	25	37	27	26	32	37	31	33	33	22	18	17	26	36	34	31	20	21	25	34	14	14	28	28	....	....	26.1
New York, N. Y.*	Maximum	38	33	38	39	43	47	46	41	45	47	46	54	47	35	32	38	42	43	39	39	36	38	41	40	39	30	33	36	42	....	....	40.2
	Minimum	22	15	15	27	31	31	36	32	32	35	36	35	35	21	21	20	23	28	34	30	24	21	26	26	18	15	16	23	22	....	....	25.9
Philadelphia, Pa.*	Maximum	40	36	40	43	45	48	46	42	49	47	48	57	51	37	37	37	45	38	40	39	41	38	39	43	41	31	23	38	42	....	....	41.6
	Minimum	25	16	15	31	32	36	38	35	33	34	40	36	36	21	22	20	24	30	35	36	28	22	28	28	21	17	20	26	27	....	....	28.0

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

NNJ

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLV. MARCH, 1940. No. 3.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

March, 1940 was cold and wet. The average temperature, 34.7°, is the lowest for March since 1916. There were very few days that were not colder than normal. The lowest temperatures were registered generally on the 12th, however, there were no extremely low readings, the lowest being 8° above zero at Layton and Newton. The warmest days were the 30th and 31st with nearly all stations recording their highest on the last day of the month. Only on those dates, as a rule, did temperatures reach 60° even in the southern counties.

Heavy rains fell on the 3-4th, 14-15th, also moderately heavy rains on the last two days over much of the State. Snowfall was less than normal though some northern stations recorded monthly totals of 7 or 8 inches. The main falls were on the 4th, 16th, 22d and 27th. The storm of the 4th was attended by sleet and freezing rain which formed a heavy coating of ice, doing much damage in Somerset, Morris, Union, Essex, Passaic and Bergen Counties to trees, communication and power lines. Wires were broken and some poles down from the weight of ice. Telephone communication was demoralized in the above area until restored by service crews. The damage by this glaze storm to trees and utilities together was no doubt many thousands of dollars. A flashy rise occurred in the Delaware River system and some other rivers on the 15th, but there was no flooding except by some small streams. Little farm work was possible because of wet soil and with the cool weather, fruit buds and other vegetation remained dormant. Sunshine was slightly less than normal. Strong winds prevailed on several days, but there was little damage from that source.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 34.7°, which was 4.5° below normal. The highest temperature was 72° at 2 stations on the 31st, and the lowest, 8°, at 3 stations on the 12-13th. The greatest daily range of temperature was 39° at Lakewood on the 27th. The highest monthly mean temperature was 38.4° at Bridgeton, and the lowest, 29.0° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is —3.9°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 52 stations, was 5.14 inches, which was 1.37 inches below normal. The average total snowfall at 23 selected stations was 3.3 inches, which was 1.2 inches less than normal. The greatest monthly precipitation was 7.47 inches, at Charlotteburg, and the least, 3.04 inches at Barnegat City. The greatest amount of precipitation in any 24 consecutive hours was 3.17 inches at Long Valley on the 14-15th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is —0.85 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 20, 21, 22, 24, 31. SLEET: 2, 3, 4, 5, 22.
DENSE FOG: 3, 4, 17, 18, 19, 28, 29, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	29.98	30.50	2	29.41	31	17.1	56	se.	15	72	61	65	53
Long Branch	29.95	30.55	2	29.34	31	12.4	44	nw.	25	70	52	66	53
Ridgefield	29.95	30.51	3	29.33	30		....	....	....	....	....	....	....
Sandy Hook	29.93	30.52	2	29.34	31	16.8	43	nw.	25	75	65	72	49
Trenton	29.96	30.51	2	29.50	8	11.0	34	nw.	14	68	54	64	52

COMPARATIVE DATA FOR MARCH.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	**30.4**	66	2	**1.10**	....	....	....	....	....
1886	37.7	70	9	3.70	....	....	....	....	....
1887	37.7	61	8	3.34	....	10	....	....	....
1888	32.8	72	0	5.71	....	11	....	....	....
1889	40.5	67	19	3.79	....	8	....	....	....
1890	37.6	78	0	6.08	....	14	....	....	....
1891	37.2	68	4	5.06	....	12	8	10	13
1892	34.4	64	6	4.75	....	9	10	12	9
1893	37.0	68	6	3.73	....	10	10	10	11
1894	44.2	83	12	1.77	....	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	**−15**	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	**7.61**	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	**20.5**	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	**49.1**	**92**	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
1938	43.2	85	−1	2.15	1.6	11	12	7	12
1939	40.1	83	2	4.83	2.0	13	12	7	12
1940	34.7	72	8	5.14	3.3	12	10	9	12
Period	39.2	92	−15	3.77	4.5	12	13	8	10

Climatological Data for March, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	37.2	−1.4	67	31	17	12	25	4.60	+1.00	1.51	0.5	11	4	16	11	w	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	36.0	......	64	31	15	24	24	3.04	−1.45	1.10	T.	9	11	9	11	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	46	37.0	−4.4	67	31	12	12	37	4.47	+0.71	1.19	1.4	10	13	8	10	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	33.4	−5.1	60	31	11	25	30	6.51	+2.82	1.80	1.7	15	9	6	16	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	32.1	−3.8	58	30	13	12†	30	5.62	+1.88	2.10	......	11	15	3	13	nw.	John Kline.
Bridgeton	Cumberland	30	57	38.4	−4.0	69	31	16	12†	38	3.79	−0.05	0.94	T.	12	11	10	10	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	37.0	−5.3	68	31	15	12	32	5.58	+1.87	1.18	3.2	11	12	5	14	nw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	4.24	......	1.42	3.1	12	5	12	14	nw.	Central Airport, Inc
Canoe Brook	Essex	180	10	32.5	−4.5	61	31	9	17	36	6.64	+2.30	2.43	......	12	18	2	11	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	36.5	−4.3	66	31	18	12†	29	4.15	+0.36	1.44	T.	11	9	10	12	nw.	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	30.4	−5.9	59	31	8	13	31	7.47	+3.48	2.94	5.5	15	10	8	13	nw.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	....	6.50	+2.46	2.70	......	11	9	11	11	......	Paul Molitor. Sr.
Clayton	Gloucester	120	27	37.1	−4.7	68	31	14	12	34	4.06	+0.54	1.69	0	7	6	3	22	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	6.00	+2.68	1.45	4.0	....	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	30.8^{e}	−5.2	59	31	11	12	....	6.71	+2.69	2.83	5.5	13	4	13	14	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	....	5.16	+0.76	1.45	T.	12	19	4	8	......	Chas. E. Hall.
Elizabeth	Union	34	61	36.5	−2.9	72	31	13	12†	37	5.67	+1.71	1.68	5.0	13	12	7	12	nw.	Union County Park Comm
Flemington	Hunterdon	140	§54	35.0	−5.6	66	31	14	17	34	5.72	+2.06	1.80	6.0	15	15	3	13	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	34.8	......	67	30	13	12	31	4.10	−0.38	1.20	3.0	12	18	2	11	nw.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	37.4	......	69	31	14	12	35	4.66	+0.74	1.63	3.0	11	11	9	11	w.	J. G. Wilson.
Hightstown	Mercer	110	47	34.8	−5.8	65	30	15	12	30	3.92	+0.14	1.07	3.9	13	9	9	13	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	36.2	−4.9	67	31	14	12	38	4.48	+0.40	1.33	2.1	12	4	16	11	nw.	Edward Entwistle.
Jersey City	Hudson	81	42	36.2	−3.7	63	31	17	12	21	4.49	+0.47	1.34	5.0	15	9	11	11	nw.	Jersey Journal.
Lakewood	Ocean	54	36	35.8	−4.5	67	31	14	12	39	5.27	+1.10	1.70	2.0	11	4	10	17	nw.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	53	33.1	−6.1	64	31	11	12	26	5.53	+1.74	1.87	5.7	14	12	4	15	nw.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	39	29.0	−6.8	59	31	8	12	32	5.75	+2.46	1.80	5.2	15	8	4	19	nw.	A. M. Depue.
Little Falls	Passaic	157	37	33.6	−5.3	62	31	14	12†	29	6.04	+2.27	2.41	7.5	12	8	12	11	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	34.9	−4.4	66	31	16	12†	31	4.91	+0.74	1.52	2.5	11	3	13	15	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	31.7	......	60	31	10	11†	33	5.90	......	3.17	3.5	8	11	6	14	nw.	R. H. Johnson.
Moorestown	Burlington	62	77	36.1	−3.8	68	31	16	12	31	4.58	+0.90	2.01	1.0	10	6	14	11	nw.	Japanese Beetle Laboratory
Newark	Essex	10	41	34.4	−5.0	62	31	16	24	23	4.77	+1.02	1.42	4.3	14	3	14	14	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	33.6	−5.6	63	30	14	12	28	4.20	+0.64	1.05	5.0	12	10	5	16	w.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	5.69	+2.02	1.44	......	....	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	57	29.4	−6.6	58	31	8	12	29	3.96	+0.57	0.94	7.0	15	11	4	16	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	37.4	......	69	31	16	12	30	4.60	......	1.65	3.6	11	5	14	12	nw	A. Reuleaux Heintze.
Paterson	Passaic	95	69	32.9	−4.2	52	21†	14	12†	26	5.15	+1.20	1.31	5.0	13	19	4	8	nw.	J. W. Cook.
Pemberton	Burlington	55	10	37.0	−4.5	67	31	15	12	34	3.72	+0.32	1.33	0.8	9	8	7	16	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	33.4	−5.1	62	31	12	17†	33	6.13	+2.79	1.37	3.5	14	12	8	11	......	Town Engineer.
Plainfield	Union	120	52	34.7	−4.4	63	31	15	12†	28	5.89	+1.93	2.27	8.2	12	7	11	13	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	......	......	72	31	12	24	....	5.07	+1.66	1.75	......	14	19	3	9	nw.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	....	5.53	......	1.60	5.0	11	13	8	10	......	Norman C. Wittmer.
Ridgefield	Bergen	80	23	33.6	−4.9	63	31	14	12	22	4.87	+0.80	1.60	7.3	13	4	16	11	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	33.1	−6.3	68	30	12	12	30	4.19	+0.74	1.06	......	12	10	18	3	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	34.2	−5.1	58	30	18	24	20	4.32	+0.28	1.82	1.7	12	4	12	15	w.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	57	33.1	−5.7	61	31	11	12	30	5.24	+1.57	1.79	3.0	12	10	8	13	w.	Richard H. Rogers.
Sussex	Sussex	450	45	30.8	−6.0	60	31	10	12	28	6.56	+3.41	1.20	5.8	15	13	5	13	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	4.38	−0.02	1.90	1.2	10	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	68	35.5	−3.6	64	30	15	12	25	4.72	+1.32	1.65	3.8	13	3	13	15	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	35.6	......	65	31	15	12	27	5.97	......	1.97	4.4	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	37.0	−4.2	68	31	12	12	31	4.33	+0.20	1.72	T.	7	14	7	10	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	4.61	+1.07	1.82	T.	11	....	....	....	......	Edward H. Ladd.
Westfield	Union	......	....	......	......	......	......	......	......	....	5.72	......	2.21	5.7	11	15	5	11	n.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	5.56	+2.01	1.28	......	13	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	70	35.0	−2.7	60	31	15	24	19	4.49	+0.85	1.65	3.3	14	8	10	13	nw.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	69	37.5	−3.3	66	31	18	24	24	4.10	+0.71	1.87	3.2	10	5	12	14	nw.	U. S. Weather Bureau.
For the State	......	......	....	34.7	−4.5	72	31	8	12†	39	5.14	+1.37	3.17	3.3	12	10	9	12	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken: Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-5-7-40-925

Daily Precipitation for March, 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast	T.	.54	1.07	.61	T	T.								.95	.56	.07		T.	.13	.05		.25						T.	T.	.17	.20	4.60
Barnegat City[4]	Coast		T.	1.10	.32										.86	.10	.11			.04	.12		.22								.17	T.	3.04
Belleplain	Tuckahoe		.07	.95	1.14			.10							.33	1.19	.14			.09		.15	.25								.06		4.47
Belvidere	Delaware	T.	T.	.60	1.54	.02	T.								.38	1.80	.17		.03	.11	.15		.06		.02			T.	.28	.33	.32	.70	6.51
Boonton[3]	Passaic			T.	1.01	.71	T.									2.10		.19	.05	.09		.12	.12						.21		.23	.79	5.62
Bridgeton	Delaware		.24	.84	.60	T.	.04								.46	.94	.10					.08	.18							.04	.22	.05	3.79
Burlington	....do			.75	1.25	T.	T.	T.							.25	1.18	.13			.10		.01	.19							.50	.90	.32	5.58
Camden[2]	Delaware		.16	1.08	.77	T.	T.				T.				1.42	.08	.06		T	.06	.03		.19	T.						.01	.32	.06	4.24
Canoe Brook[3]	Passaic			.01	1.00	.77										2.43		.19	.03	.14		.80	.36						.12		.12	.67	6.64
Cape May[4]	Coast		.71	.51	.38										1.25	.19	.06			.22	.17		.26								.18	.22	4.15
Charlotteburg	Passaic			.46	1.27	T.	.03	.02							*	2.94	.12		.08	.04		.10	.15						.34	.04	1.25	.63	7.47
Chatham[3]	.. .do			T.	1.10	.72	T.									2.70	T.	.21	.06	.15		.14	.34						.15		.14	.79	6.50
Clayton	Delaware				1.22										.34	1.69	.12						.24								.14	.31	4.06
Culvers Lake	...do	T.		.25	1.17	T.									.17	1.45	.15		.06	.05		.18	.04					T.	1.10	T.	.38	1.00	6.00
Dover	Passaic			1.10	.30						T.				*	2.83	.30		.13	.12	.15		.15						.26	.12	.88	.37	6.71
Egg Harbor City	Mullica		.58	1.09	.35										1.45	.60	.10			.09	.14		.32							.01	.27	.16	5.16
Elizabeth	Coast			.55	1.68	.07					T.				.12	1.55	.22		.05	.18		.07	.43	T.						.05	.23	.47	5.67
Flemington	Raritan			.66	1.21	T.	.02	.01			T.				.26	1.80	.28		.03	.11		.16	.24		T				.06	.03	.18	.67	5.72
Freehold	. .do			.70	1.20	.04									.20	1.07	.15		.03	.07		.04	.16								.05	.39	4.10
Hammonton	Mullica		.07	.88	1.04	T.		T.							.25	1.63	.11			.05		.05	.20							T.	.10	.28	4.66
Hightstown	Raritan	T.		.70	1.03	.01	T.	.03			T.				.16	.91	.17		.01	.09		.14	.20	T.	T.				T.	T.	.04	.43	3.92
Indian Mills	Mullica		.10	.95	.92	T.	T.	.01							.48	1.33	.12			.04		.02	.16							T.	.17	.18	4.48
Jersey City	Coast	T.	T.	.41	1.25	.03	T.	T.			T.				.17	1.34	.16	.03	.02	.18		.04	.30	T.					.06	.02	.20	.28	4.49
Lakewood	Metedeconk			.60	1.70		T.	.05			T.				.20	1.45	.15			.08		.07	.15	T.						T.	.04	.78	5.27
Lambertville(nr.)	Delaware			.60	1.16	.10	T.	.04			T.				.22	1.87	.19			.12		.22	.30						.07	.06	.07	.51	5.53
Layton(near)	....do	.03	T.	.20	.84	.04									.36	1.80	.11		.06	.12	.25		T.	T.				.16	.26	.07	.37	1.09	5.75
Little Falls[3]	Passaic	T.		.09	1.05	.70										2.41		.14	.04	.14		.11	.27						.18		.23	.68	6.04
Long Branch[2]‡	Coast	T.	T.	1.02	1.52	T.	T.				T				.76	.68	.22	.04		.08	.01		.22	T.					T.	T.	.17	.19	4.91
Long Valley	Raritan		T.		1.13	.39		T.								3.17		.15		.09		.20	T.	.10								.67	5.90
Moorestown[3]	Delaware			.15	2.01	.08										1.62		.06		.08		.01	.15	T.							.10	.32	4.58
Newark[4]	Coast	T.		.90	.89	T.	T.				T.				.83	.45	.18	.04	.02	.16	.07		.48	T.					.05	.08	.51	.11	4.77
New Brunswick	Raritan		T	.50	1.05	.06	T.	T.							.12	1.03	.17		.03	.13		.14	.30						T.	T	.13	.54	4.20
New Milford[2]‡	Hackensack			.64	1.44										.90	.92	.12		.05	.15	.11		.38						.20	.04	.62	.12	5.69
Newton	Delaware	T.		.41	.94	.10	.02	T.							.30	T.	.15		.05	.10		.07	.08					.06	.43	.11	.38	.76	3.96
N. Merchantville[2]‡	Delaware		.13	.99	.90	T.	T.	T.							1.40	.25	.17			.08	T.		.24	T.						.05	.21	.15	4.60
Paterson	Passaic	T.		.54	.69										1.31	.89	.13	T.	.03	.12	.16	[illegible]	.26						.18	.14	.64	.06	5.15
Pemberton	Delaware	T.		.80	1.09	T.									.15	1.33	.08					.07	.11	T.						T.	.06	.03	3.72
Phillipsburg	....do	T.	T.	.98	1.37	T.	T.	T.			T.				.99	.87	.23	.03	.05	.08	.18		.03	T.				T	.24	.15	.67	.26	6.13
Plainfield	Raritan	T.	T.	*	2.27		T.	T.			T.				1.82	T.	.21		.06	.16	.13		.41	T.	T				.08	.01	.37	.37	5.89
Pleasantville[3]	Coast		.18	.83	1.30	.13	.01									1.75	.05	.08		.09		.10	.19	.06							.07	.23	5.07
Rahway	Rahway			.42	1.40	.71										1.60		.18	.03	.18		.10	.30	T.					.01			.60	5.53
Ridgefield[2]	Hackensack	T.		.18	1.27		T.								*	1.60	.20	T.	.02	.35	.04		.35						.08	.08	.20	.50	4.87
Runyon	Coast			.62	.91	.18									.16	1.06	.15		.12	.14		.12	.31								.16	.26	4.19
Sandy Hook[1]‡	Coast	T.	T.	.82	1.28	T.									.70	.55	.12	.02	T.	.09	.11		.16	T.					T.	.02	.14	.31	4.32
Somerville(near)	Raritan				1.79										.24	1.69	.16		.03	.14		.10	.11		T.				.12	.04	.44	.38	5.24
Sussex	Hudson	.02		.50	.90	.10	T	T.							.20	1.00	.80		T.	.10		.20	.30					.12	1.00	.04	.37	.91	6.56
Toms River	Coast			.53	1.90		.03								.18	1.37	.09						.03							.02	.03	.20	4.38
Trenton[1]‡	Delaware		.02	1.04	.77	T.	.06	T.			T.				1.11	.31	.19	T.	T.	.14	.14		.21						T.	.01	.30	.42	4.72
Trenton No. 2[2]	Delaware		.02	1.21	.76	T.	.05	T.			T.				1.53	.49	.25		T.	.13	.17		.31						T.	.01	.41	.63	5.97
Tuckerton	Coast			.64	1.72										.09	1.38	T.					.01	.28									.21	4.33
Vineland	Maurice			.77	1.15	.15		.02								1.82		.10		.02		.07	.18								.01	.32	4.61
Westfield	Rahway			*	2.21											1.80	.20	.06		.15		.16	.42							.08	.56	.08	5.72
Woodcliff Lake[2]‡	Hackensack			.64	1.28										.98	.94	.10		.04	.13	.13		.30						.18	.04	.72	.08	5.56
Woodstown	Delaware																																
New York, N. Y[1]‡	Coast	T.	T.	.71	1.22	T.	T.								.81	.48	.20	.02	.04	.19	.03		.28	T.					.04	.02	.32	.13	4.49
Phila., Pa[1]‡	Delaware		.15	1.24	.79		T.								1.00	.17	.18		T.	.08	T.		.20	T.						T.	.18	.11	4.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation
	Wind movement
Pleasantville[3]	Evaporation
	Wind movement
Runyon	Evaporation
	Wind movement

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for March, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	40	37	44	44	43	44	39	43	43	42	39	42	32	44	46	42	50	41	60	49	45	48	33	32	34	44	44	44	48	49	67	43.6
	Minimum	34	34	35	35	33	33	32	32	28	28	23	17	25	32	31	28	31	36	38	36	30	25	20	18	21	24	34	38	38	43	43	30.8
Barnegat City‡	Maximum	37	36	42	44	48	50	52	46	49	45	36	40	33	44	46	34	49	40	56	47	43	46	34	32	34	44	44	41	46	52	64	43.7
	Minimum	27	32	34	33	32	32	29	28	27	27	17	16	26	31	28	26	26	35	37	36	26	24	18	15	19	22	27	32	36	36	43	28 3
Belleplain	Maximum	39	38	45	44	44	43	39	48	45	42	39	40	39	44	49	46	50	50	58	56	53	50	45	42	38	44	57	52	57	61	67	47.2
	Minimum	23	32	32	35	32	30	30	25	25	27	21	12	19	26	29	20	20	30	34	22	25	28	17	14	19	21	20	34	36	48	43	26.7
Belvidere	Maximum	32	30	35	37	40	40	40	38	40	36	32	35	38	36	45	35	45	47	54	55	43	40	29	33	36	43	40	50	44	51	60	40.6
	Minimum	25	21	27	33	32	32	30	27	24	24	18	13	20	28	30	25	27	30	35	25	24	28	16	14	11	23	25	34	34	38	42	26.3
Boonton§§	Maximum	34	34	35	34	36	39	37	38	38	34	29	33	39	45	37	31	43	44	50	53	40	41	26	29	32	40	39	50	45	58	57	39.7
	Minimum	19	20	24	29	31	32	29	28	25	27	19	13	15	21	29	25	13	28	31	25	25	26	16	14	16	18	24	28	34	37	40	24.5
Bridgeton	Maximum	42	38	45	45	44	44	42	48	44	44	38	40	45	47	55	45	55	56	58	54	48	46	35	31	34	44	63	59	55	63	69	47.6
	Minimum	26	32	32	36	34	33	32	28	27	29	23	16	22	30	28	23	26	33	38	28	28	29	19	16	20	23	25	38	38	48	44	29.2
Burlington	Maximum	40	37	41	38	43	41	38	44	43	40	35	38	41	41	50	36	48	49	56	56	52	44	37	39	34	43	58	55	52	64	68	45.2
	Minimum	29	30	31	33	33	35	31	30	28	30	23	15	24	27	31	25	20	33	36	26	29	29	19	17	16	24	26	36	35	45	44	28.7
Canoe Brook§§	Maximum	34	33	33	33	37	40	39	40	42	36	33	36	40	46	39	33	45	44	54	53	42	40	28	31	35	43	41	47	46	59	61	40.7
	Minimum	19	19	26	32	29	29	28	27	23	28	18	13	14	20	31	25	9	30	33	21	25	22	16	14	16	22	20	31	33	38	41	24.3
Cape May‡	Maximum	40	39	44	43	44	42	40	44	41	42	38	38	37	48	42	45	46	45	54	51	42	44	34	32	32	41	46	45	50	51	66	43.4
	Minimum	30	26	38	34	34	26	26	28	21	21	26	18	25	34	....	....	32	36	36	31	31	19	18	22	....	....	29	36	38	42	37	29.6ᵈ
Charlotteburg	Maximum	40	32	32	38	39	37	35	36	37	37	26	30	38	38	43	32	43	48	45	51	51	39	34	26	29	36	39	49	50	49	59	39.3
	Minimum	14	12	26	28	31	27	25	24	21	21	15	13	8	16	27	21	12	28	30	20	21	21	11	9	11	22	30	30	32	36	38	21.6
Clayton	Maximum	40	38	42	42	43	43	39	47	43	41	37	39	45	44	51	39	48	54	57	54	52	45	40	31	33	42	59	59	56	64	68	46.3
	Minimum	26	31	30	33	32	32	30	26	26	28	21	14	29	26	30	22	25	32	36	24	26	28	17	15	17	21	25	36	36	49	41	27.9
Dover	Maximum	32	31	30	....	....	38	....	37	38	....	28	32	38	40	44	31	44	42	50	51	40	39	25	28	32	40	38	46	43	58	59	39.0ᵈ
	Minimum	22	23	28	....	....	....	....	27	23	19	13	11	17	24	26	21	20	29	32	24	22	21	14	12	14	21	26	23	34	39	....	22.5ᵉ
Elizabeth	Maximum	47	37	35	35	40	45	43	50	47	41	36	39	43	39	53	38	48	50	61	61	58	51	45	41	45	53	50	54	50	65	72	47.5
	Minimum	24	25	31	31	29	27	28	28	25	26	19	13	21	22	31	25	13	20	24	24	25	27	18	15	18	23	22	35	37	41	42	25.5
Flemington	Maximum	36	34	36	35	41	39	41	42	42	38	33	37	42	37	48	35	48	44	56	56	50	42	35	33	35	46	50	45	45	60	66	42.8
	Minimum	27	27	31	32	32	32	30	31	26	29	19	15	22	27	32	26	14	33	34	26	25	27	18	15	17	23	24	34	35	38	42	27.3
Freehold	Maximum	35	35	38	35	40	41	37	42	42	36	32	36	39	38	47	35	47	43	54	52	47	43	33	31	32	43	56	45	46	67	64	42.3
	Minimum	29	28	32	32	31	32	27	30	24	28	19	13	22	26	31	24	22	32	35	27	25	28	17	15	16	22	25	34	35	42	42	27.3
Hammonton	Maximum	41	37	42	43	43	43	42	50	47	45	39	41	42	41	49	38	49	53	59	58	53	48	30	30	34	44	60	55	54	63	69	46.5
	Minimum	27	31	31	35	32	30	38	26	25	30	22	14	18	26	32	33	25	33	38	24	27	28	17	16	19	21	25	37	37	50	43	28.4
Hightstown	Maximum	36	36	35	35	41	40	38	42	41	36	32	36	39	38	49	33	47	44	55	54	48	42	32	30	33	42	54	45	47	65	64	42.2
	Minimum	29	28	30	32	32	32	28	30	25	26	21	15	22	24	30	25	19	32	36	26	26	28	18	16	17	22	24	35	34	40	43	27.3
Indian Mills	Maximum	38	37	42	41	41	42	39	46	42	40	36	38	45	45	49	36	48	50	57	55	48	45	32	30	33	44	59	52	53	63	67	44.9
	Minimum	26	30	32	34	31	31	27	24	24	30	23	14	17	26	31	22	23	33	37	21	27	26	17	15	18	21	21	37	38	49	43	27.4
Jersey City	Maximum	40	35	36	35	38	43	41	42	43	39	32	36	40	45	44	34	46	44	53	52	48	44	39	31	34	44	44	48	48	58	63	42.5
	Minimum	32	25	31	32	32	34	31	35	31	25	20	17	21	31	33	29	27	35	37	35	27	30	21	18	18	23	32	35	39	43	45	29.8
Lakewood	Maximum	37	37	39	39	42	43	39	46	47	42	38	40	38	40	47	36	49	45	58	53	47	48	35	32	36	48	60	46	46	63	67	44.6
	Minimum	25	28	32	33	30	33	28	27	24	30	21	14	21	21	32	23	22	33	37	22	27	25	18	16	17	23	21	37	35	42	44	27.1
Lambertville (near)	Maximum	36	35	34	35	40	38	37	40	40	37	31	34	40	38	47	32	47	46	44	54	48	40	30	28	29	41	40	50	56	61	64	41.0
	Minimum	25	23	26	30	30	22	28	30	24	24	17	11	19	26	27	23	21	27	30	29	29	24	15	13	15	20	28	32	32	40	41	25.2
Layton (near)	Maximum	30	29	31	32	36	35	33	35	35	32	25	30	36	35	43	32	44	43	48	52	39	37	25	24	31	38	35	48	42	43	59	36.7
	Minimum	18	14	24	30	30	28	27	21	22	17	15	8	11	21	26	22	14	21	32	20	21	23	12	11	12	20	20	29	30	24	39	21.4
Little Falls§§	Maximum	40	34	33	35	38	40	48	40	41	35	30	35	41	45	37	37	45	45	52	55	43	41	35	30	34	42	39	51	46	57	62	41.5
	Minimum	23	21	27	31	29	32	27	27	25	26	19	14	18	22	31	25	18	30	32	26	25	27	16	14	16	23	24	33	36	36	42	25 6
Long Branch*	Maximum	36	36	36	35	41	41	40	45	43	37	35	36	35	41	47	35	47	40	54	47	43	42	29	31	34	45	57	42	42	60	66	41.9
	Minimum	29	30	33	33	31	30	28	31	27	24	19	16	24	24	29	26	24	33	36	29	27	24	18	16	18	23	26	35	37	40	44	27.9
Long Valley§§	Maximum	33	32	33	34	36	39	38	40	39	35	30	32	38	45	35	35	45	39	51	54	40	39	23	30	32	41	40	45	46	59	60	39.3
	Minimum	20	25	27	30	30	31	30	24	30	25	10	10	12	24	29	24	12	30	32	23	22	25	14	12	14	20	21	30	31	38	41	24.1
Moorestown	Maximum	37	38	41	37	42	41	36	43	40	42	35	37	41	49	48	35	46	50	55	55	42	44	32	30	32	42	58	47	52	65	68	43.9
	Minimum	30	30	33	34	33	32	32	29	28	28	18	16	23	27	28	25	25	33	36	27	28	22	19	17	19	22	27	35	37	41	44	28.3
Newark‡	Maximum	35	36	35	35	38	42	39	40	41	36	31	35	39	43	45	32	46	45	54	52	43	41	28	31	34	43	43	47	47	58	62	41.2
	Minimum	28	25	31	31	32	31	30	29	28	22	17	17	20	29	28	27	23	32	35	32	27	22	18	16	18	24	28	34	36	41	40	27.5
New Brunswick	Maximum	37	33	34	35	38	38	38	38	40	36	30	33	38	34	47	32	46	44	52	53	51	39	34	29	31	42	47	44	44	63	62	40.7
	Minimum	27	27	31	31	31	32	27	30	25	24	17	14	20	23	29	25	19	32	34	25	25	27	17	15	17	22	22	34	34	38	43	26.4
Newton	Maximum	30	27	32	32	37	33	31	36	34	34	32	30	33	35	41	33	42	43	49	51	47	33	32	38	30	33	34	45	42	52	58	37.4
	Minimum	22	14	20	29	28	29	26	24	20	11	13	8	13	20	25	20	20	26	30	23	20	18	10	9	11	19	20	28	30	36	37	21.3
N. Merchantville*	Maximum	38	37	41	37	43	41	38	46	43	40	37	40	42	49	49	36	49	52	58	56	45	45	31	32	34	43	60	49	54	65	69	45.1
	Minimum	33	31	33	33	34	34	33	31	29	28	19	16	24	31	30	27	28	33	38	30	29	24	19	17	19	24	30	37	37	45	44	29.7
Paterson§§	Maximum	42	35	35	34	35	37	39	39	39	41	35	31	36	41	46	38	35	45	45	50	52	43	41	28	30	33	42	40	50	47	52	39.9
	Minimum	21	23	24	30	31	32	29	28	26	27	19	14	17	22	30	25	22	28	33	29	26	28	17	14	16	19	27	31	35	38	41	25.9
Pemberton	Maximum	40	42	42	40	42	42	38	46	44	40	37	39	42	44	49	35	47	48	57	55	50	45	37	31	33	44	59	55	53	65	67	45.4
	Minimum	28	29	30	34	32	35	30	29	26	31	23	15	35	26	32	24	24	33	37	26	28	29	18	16	19	23	25	37	36	36	44	28.7
Phillipsburg	Maximum	35	35	35	35	39	38	39	38	39	37	32	35	37	40	45	34	45	46	53	54	42	40	28	30	34	44	46	45	44	57	62	40.7
	Minimum	29	25	24	22	32	31	32	29	26	24	19	14	22	30	29	24	12	31	35	27	24	24	12	15	17	23	26	35	35	39	42	26.1
Plainfield	Maximum	35	35	35	34	40	41	38	44	43	37	34	36	42	37	47	34	46	43	55	55	44	44	29	32	34	44	46	46	44	61	63	41.9
	Minimum	26	27	31	32	32	33	29	30	26	29	19	15	20	25	30	21	25	32	35	27	26	27	18	15	17	24	26	35	35	40	45	27.5
Pleasantville§§	Maximum	36	39	41	36	37	34	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	46	51	49	52	58	72	......
	Minimum	21	31	32	37	29	31	26	22	26	26	21	13	20	27	32	18	21	33	35	18	27	30	15	12	18	18	19	38	37	43	44	26.5
Ridgefield*	Maximum	35	35	34	33	37	40	37	39	42	33	31	35	39	43	45	30	45	45	52	50	42	40	28	30	25	44	40	47	47	57	63	40.1
	Minimum	27	23	31	31	31	31	29	28	26	27	20	14	20	25	26	24	23	31	35	30	27	22	17	15	17	24	27	33	37	41	44	27.0
Runyon	Maximum	39	39	33	32	39	40	42	43	42	37	34	38	39	36	43	39	47	42	56	47	48	41	30	31	33	44	46	44	45	68	64	42.0
	Minimum	18	20	22	31	31	31	27	28	27	24	18	12	15	17	31	23	24	26	34	24	24	22	17	15	16	14	16	33	34	38	39	24.2
Sandy Hook*	Maximum	34	33	34	34	38	41	39	41	41	37	32	35	34	40	44	33	43	38	50	47	40	41	25	29	33	42	45	42	41	58	57	39.5
	Minimum	30	28	31	33	33	32	31	31	29	24	18	18	24	27	30	28	28	33	36	34	28	24	19	18	19	26	30	35	37	38	43	28.9
Somerville (near)	Maximum	36	34	34	34	39	39	38	39	42	38	33	36	41	40	41	33	44	43	52	54	48	38	30	29	32	43	46	45	44	59	61	40.8
	Minimum	26	24	30	31	30	31	25	29	23	27	17	11	17	24	28	23	20	30	34	24	23	25	15	13	15	22	22	34	34	39	41	25.4
Sussex	Maximum	32	29	34	34	37	37	35	38	37	34	22	34	34	35	40	34	45	44	48	51	49	40	32	24	31	39	37	48	45	45	60	38.2
	Minimum	18	14	23	31	30	31	28	26	23	20	17	10	11	20	29	24	17	29	32	24	22	26	14	12	13	22	22	30	32	35	41	23.4
Trenton*	Maximum	37	36	39	36	41	40	37	42	41	36	32	35	42	49	48	33	46	46	54	54	41	41	28	29	32	41	55	45	49	64	63	42.3
	Minimum	32	30	32	32	33	31	30	30	27	26	17	15	24	29	28	27	26	34	37	32	27	24	19	17	19	24	30	36	36	42	43	28.7
Trenton No. 2*	Maximum	37	36	38	36	42	40	38	44	43	38	34	36	42	46	49	34	47	49	56	55	43	43	30	31	32	41	56	47	49	64	65	43.3
	Minimum	31	27	31	32	33	32	29	32	26	25	18	15	23	29	28	26	21	33	36	28	27	25	18	16	18	23	30	36	36	41	43	28.0
Tuckerton	Maximum	42	38	40	42	46	45	43	48	45	44	40	43	42	43	46	42	49	44	58	55	48	47	45	32	35	46	50	48	49	53	68	45.7
	Minimum	24	32	33	34	32	31	29	27	25	30	22	12	20	28	32	26	27	34	35	28	27	30	17	14	16	24	27	35	38	42	45	28.3
New York, N. Y.*	Maximum	40	37	38	39	41	42	39	40	41	36	31	35	37	42	44	33	45	45	53	48	43	42	28	31	35	42	45	50	47	57	60	41.5
	Minimum	29	30	34	31	32	31	30	30	27	22	17	16	21	29	28	25	26	34	35	38	26	23	18	15	17	24	30	36	39	45	41	28.4
Philadelphia, Pa.*	Maximum	39	37	41	39	42	41	39	46	42	38	36	40	41	49	49	37	47	50	59	55	43	43	29	30	33	43	57	48	54	63	66	44.4
	Minimum	34	31	33	34	35	35	34	32	30	29	20	18	26	29	30	28	30	35	38	36	29	23	19	18	19	24	33	39	38	46	45	30.6

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLV. APRIL, 1940. No. 4.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April 1940, like March preceding, was cold and wet, the average daily temperature deficiency for each month being more than 4°. The coldest weather was from the 12th to 15th with temperatures dropping as low as 15° at Charlotteburg and 16° at three other stations. The highest official reading in the State was 79°, this being the second April in the past 56 years when the temperature did not reach 80° at some station; the other April was in 1930 when 79° was likewise the highest recorded. Every month this year to date has been decidedly colder than normal except February which was slightly warmer than normal.

This was the wettest April since 1929 with precipitation averaging 54 percent above normal. It was only slightly wetter, however, than the preceding month of March. Moderate rains fell on the 3d-4th; heavy amounts on the 8-9th, 12-13th, and 20th-21st; and lighter amounts on several other days. An unusual feature was a general snowfall of two to three inches over most of the State on the 12-13th following the rain at that time. In central and southern New Jersey these snowfalls were the greatest on record for so late in the season.

The unusually cold and wet weather which prevailed during March and April this year retarded farm work, and there had been no planting of crops at the close of April except early potatoes and a small amount of garden truck. The cool season, however, was beneficial to fruit crops as the buds were retarded and danger from a late freeze thereby lessened. Winds of gale force were registered on the coast on the 5th, 8th and 20th, but little damage resulted from that cause.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 45.5°, which was 4.1° below normal. The highest temperature was 79° at Elizabeth and Hammonton on the 30th, and the lowest, 15°, at Charlotteburg on the 15th. The greatest daily range of temperature was 50° at Runyon on the 29th. The highest monthly mean temperature was 48.0° at North Merchantville, and the lowest, 42.0° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −4.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 55 stations, was 5.62 inches, which was 1.97 inches above normal. The average total snowfall at 23 selected stations was 2.2 inches, which was 1.0 inch above normal. The greatest monthly precipitation was 6.71 inches, at Elizabeth, and the least, 3.64 inches at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 2.64 inches at Woodcliff Lake on the 8th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +1.12 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 3, 4, 5, 8, 25. **SLEET**: 3, 12, 13, 20, 21, 22.
DENSE FOG: 4, 8, 9, 16, 18, 19, 26. **HAIL**: 3, 4, 12, 13, 21, 22.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.97	30.37	29	29.39	21	16.8	49	se.	8	75	67	73	48
Long Branch	29.95	30.39	29	29.35	21	13.4	44	e.	20	70	53	66	53
Ridgefield	29.94	30.36	29	29.41	21	...	....	...	....	....	....	....	....
Sandy Hook	29.95	30.37	29	29.40	21	14.2	43	ne.	20	78	65	73	51
Trenton	29.96	30.37	28	29.41	21	9.9	29	ne.	20	68	52	60	57

COMPARATIVE DATA FOR APRIL.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	......	......	......	......	......
1886	50.6	86	27	3.40	......	......	......	......	......
1887	47.3	87	16	2.70	......	7	......	......	......
1888	47.9	92	22	3.28	......	9	......	......	......
1889	51.2	83	25	5.32	......	12	......	......	......
1890	50.4	86	21	2.65	......	8	......	......	......
1891	52.0	88	20	2.19	......	8	13	11	6
1892	49.3	87	19	2.49	......	8	9	13	8
1893	49.2	82	19	5.21	......	11	9	10	12
1894	50.3	88	10	3.09	......	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	**1.35**	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	**3**	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49.3	85	16	4.64	T.	12	11	9	10
1938	53.0	94	12	2.82	2.8	9	14	8	8
1939	48.3	89	20	5.12	0.1	14	9	8	13
1940	45.5	79	15	5.62	2.2	12	9	8	13
Period	49.6	98	3	3.65	1.2	10	12	9	9

Climatological Data for April, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	45.4	−2.4	62	19	26	13	25	5.84	+2.85	1.88	0.9	15	7	7	16	nw.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	44.1	......	58	6†	24	13	25	4.49	+0.80	1.63	......	12	3	9	18	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	47.6ᵃ	−2.7	74	30	21	13	41	5.15	+1.45	1.37	2.0	16	11	6	13	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	46.0	−3.7	75	29	23	14	41	6.15	+2.39	1.54	3.2	11	14	5	11	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	44.4	−3.6	73	30	22	14†	38	5.52	+1.62	2.37	......	9	15	1	14	ne.	John Kline.
Bridgeton	Cumberland	30	57	47.6	−4.6	74	30	23	13	35	5.99	+2.39	1.49	T.	16	13	4	13	se.	Bennett K. Matlack
Burlington	Burlington	12	§54	47.7	−4.2	77	30	25	13	40	5.84	+2.10	1.52	3.0	11	10	7	13	ne.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	......	5.95	......	2.55	1.7	11	3	15	12	ne.	Central Airport, Inc
Canoe Brook	Essex	180	10	43.8	−3.1	74	30	18	14	42	6.00	+1.79	2.05	......	12	15	4	11	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	44.8	−3.6	58	19	29	13	21	4.78	+1.79	1.28	T.	14	8	10	12	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	43.2	−3.5	71	30	15	15	45	5.68	+1.36	2.03	3.0	11	4	11	15	e.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	......	6.42	+2.20	2.13	2.0	12	10	7	13	......	Paul Molitor. Sr.
Clayton	Gloucester	120	27	47.0	−3.9	76	30	20	13	41	6.26	+2.65	1.56	2.0	13	8	3	19	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	......	5.01	+1.48	1.08	2.0	9	......	......	......	......	L. S. Depue.
Dover	Morris	600	56	44.0	−3.4	71	30	19	14	39	5.79	+1.73	1.95	3.0	10	3	12	15	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	......	5.47	+1.81	1.39	0.1	14	17	5	8	......	Chas. E. Hall.
Elizabeth	Union	34	61	47.0	−3.9	79	30	21	14	44	6.71	+2.87	1.26	3.0	12	15	2	13	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	46.6	−3.6	75	30	23	13	39	6.23	+2.61	1.54	3.0	13	14	4	12	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	45.5	......	76	30	23	13	39	5.38	+1.67	1.57	2.0	10	14	6	10	se	Moreau Plant Co.
Hammonton	Atlantic	95	§34	47.6	......	79	30	23	13	40	4.76	+0.98	1.73	1.5	15	8	9	13	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	45.8	−4.4	76	30	24	13	40	5.27	+1.38	1.95	2.6	11	9	7	14	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	46.4	−4.1	78	30	24	13	40	5.08	+1.28	1.58	3.6	14	6	11	13	s.	Edward Entwistle.
Jersey City	Hudson	81	42	47.4	−2.7	68	30	24	13	25	5.98	+2.23	1.94	1.4	11	8	9	13	nw.	Jersey Journal.
Lakewood	Ocean	54	36	46.0	−3.6	76	30	21	14	43	5.27	+1.32	1.25	4.5	11	5	7	18	nw.	R. W. Holman.
Lambertville (near).††	Hunterdon	430	53	45.2	−4.8	74	30	22	13	38	6.65	+2.85	1.96	3.0	14	10	7	13	ne.	Wm. J. Lauderdale.
Layton....(near)	Sussex	480	39	42.0	−4.7	72	29†	16	14	48	4.49	+1.00	1.15	2.0	9	8	3	19	nw.	A. M. Depue.
Little Falls	Passaic	157	37	45.7	−3.7	75	30	24	14	36	6.38	+2.22	2.18	3.0	12	10	8	12	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	44.4	−3.8	64	28†	25	13	29	4.66	+0.39	1.41	2.0	11	6	9	15	se.	Storm Warn. Display Sta
Long Valley	Morris	660	10	42.8	......	72	30	16	14	42	6.00	......	1.96	2.0	8	9	11	10	nw.	R. H. Johnson.
Moorestown	Burlington	62	77	46.0	−4.4	75	30	24	13	37	5.96	+2.31	2.18	2.5	12	8	9	13	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	45.8	−4.2	70	30	26	13	30	5.95	+2.07	1.86	1.4	12	3	12	15	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	45.0	−4.6	75	30	24	13†	39	5.50	+1.89	1.34	3.0	11	8	6	16	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	......	5.72	+2.00	2.16	......	9	......	......	......	......	Hackensack Water Co
Newton	Sussex	769	57	42.5	−5.3	70	29	19	14	35	5.57	+2.04	1.25	2.0	13	6	11	13	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	48.0	......	78	30	25	13	37	6.38	......	2.61	2.9	12	6	8	16	nw.	A. Reuleaux Heintze.
Paterson	Passaic	95	69	46.0	−4.6	74	30	25	14	32	5.34	+1.51	2.25	1.1	10	16	6	8	nw.	J. W. Cook.
Pemberton	Burlington	55	10	47.6	−3.3	78	30	23	13	40	5.34	+1.98	1.27	1.5	14	11	3	16	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	45.7	−3.7	73	29†	25	14	38	5.75	+2.36	1.72	3.4	10	13	4	13	......	Town Engineer.
Plainfield	Union	120	52	46.4	−3.0	77	30	25	13†	38	5.86	+2.07	2.08	3.0	12	7	8	15	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	45.3	−3.3	64	9	21	2	37	5.25	+1.83	1.43	......	15	15	2	13	se.	N. J. Water Policy Comm.
Rahway	Union	20	......	......	......	......	......	......	......	......	5.56	......	1.75	1.0	12	11	6	13	......	Norman C. Wittmer.
Ridgefield	Bergen	80	23	45.4	−3.0	70	30	26	13†	30	5.92	+2.47	2.10	2.0	12	7	10	13	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	43.8	−4.3	78	30	16	14	50	5.78	+1.95	1.19	......	12	11	13	6	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	44.7	−3.6	61	28	27	13	24	4.54	+0.92	1.49	0.5	12	4	9	17	nw.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	57	44.8	−4.6	74	30	22	14	34	6.38	+2.72	1.94	......	14	8	9	13	se.	Richard H. Rogers.
Sussex	Sussex	450	45	44.0	−4.4	74	30	20	14	42	5.10	+1.57	1.07	2.0	12	8	9	13	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	......	4.53	+0.62	1.57	2.4	12	......	......	......	......	Robt. F. Snyder.
Trenton	Mercer	56	68	46.5	−3.3	74	30	25	13	32	5.24	+2.30	1.93	2.5	12	4	10	16	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	10	46.7	......	77	30	24	13	36	6.31	......	2.27	3.7	12	......	......	......	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	......	......	......	......	......	......	......	3.64	−0.13	1.09	1.0	13	......	......	......	......	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	......	5.92	+2.32	1.77	4.5	15	......	......	......	......	Edward H. Ladd.
Westfield	Union	......	......	......	......	......	......	......	......	......	5.63	......	1.93	0.5	8	13	8	9	s.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	......	6.20	+2.40	2.64	......	9	......	......	......	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	......	6.30	......	2.20	0.5	12	......	......	......	......	Charles Bishop.
New York, N. Y.	......	10	70	46.0	−3.4	67	30	25	13	29	5.41	+2.18	1.90	1.4	10	5	10	15	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	69	48.2	−3.9	74	30	26	13	30	6.06	+3.01	2.69	1.2	10	6	8	16	nw.	U. S. Weather Bureau.
For the State	......	......	......	45.5	−4.1	79	30	15	15	50	5.62	+1.97	2.64	2.2	12	9	8	13	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow.

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-5-24-40-925

Daily Precipitation for April, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	....	....	.65	.11	....	....	....	.87	.02	....	....	1.07	.11	T.	....	.02	.38	.02	.14	1.71	.56	.07	....	..	.06	....	.05	....	....	....	....	5.84
Barnegat City[4]	Coast	....	....	.40	.02	....	....	....	.99	...	....	....	.84	.05	.02	....	T.	T.	.03	.26	1.63	.15	.03	....	....	.07	....	....	....	....	....	....	4.49
Belleplain	Tuckahoe	.14	....	.11	.90	T.	....	....	.22	.76	....	....	.32	.26	....	....	.11	.37	....	.08	1.37	.20	.10	....	.07	.10	....	.04	....	....	....	....	5.15
Belvidere	Delaware	....	....	T.	.50	.04	....	....	1.45	.35	....	....	1.02	.37	....	T.	....	....	.20	.09	1.54	.55	.04	....	....	....	....	....	....	....	....	....	6.15
Boonton[3]	Passaic	....	....	....	.45	....	....	....	T.	2.37	....	....	.15	.78	....	....	....	....	.20	.05	.65	.68	.19	....	....	....	....	....	....	....	....	....	5.52
Bridgeton	Delaware	.10	....	.09	.65	....	....	....	.86	.56	....	....	.90	.33	.11	....	.12	.39	....	.06	1.49	.19	.05	....	....	.03	.06	....	....	....	....	....	5.99
Burlington	....do	....	....	....	.85	....	....	....	1.15	.84	....	....	.62	.40	T.	....	T.	....	T.	.15	1.52	.25	.03	....	....	.02	.01	T.	....	....	....	....	5.84
Camden[2]	Delaware	....	....	.45	.01	....	....	T.	2.55	.01	....	....	.97	T.	.01	T.	T	T.	.12	.47	1.20	.13	T.	....	T.	.03	T	T.	....	....	....	....	5.95
Canoe Brook[3]	Passaic	....	....	....	.41	.04	....	....	.07	2.05	....	....	.17	1.13	....	....	....	....	.13	.09	.86	.72	.31	.02	....	....	....	....	....	....	....	....	6.00
Cape May[4]	Coast	....	....	.58	.19	....	....	....	.70	.02	....	....	.87	.09	....	....	.12	.05	.12	.55	1.28	.12	....	....	....	....	.03	.06	....	....	....	....	4.78
Charlotteburg	Passaic	....	....	....	.46	.03	....	....	.76	1.27	....	....	.70	.30	T.	....	....	....	.22	.03	1.14	.75	...	.02	....	....	....	....	....	....	....	....	5.68
Chatham[3]	..do	.03	....	....	.43	.08	....	....	.06	2.13	....	....	.19	.99	....	....	....	....	.18	.14	1.06	.72	.41	T.	....	....	....	....	....	....	....	....	6.42
Clayton	Delaware	.12	....	....	.45	....	....	....	1.10	.70	....	....	.85	.40	.12	....	.17	.09	....	.19	1.56	.41	.10	....	....	....	....	....	....	....	....	....	6.26
Culvers Lake	...do	T.	....	....	.50	.04	....	....	.80	.59	....	....	.77	.20	....	....	....	....	.23	....	1.08	.80	T.	....	....	....	....	....	....	....	....	....	5.01
Dover	Passaic	....	....	.28	.22	....	....	....	1.95	....	....	....	*	1.23	....	....	....	....	.18	.04	1.27	.57	.05	....	....	....	....	....	....	....	....	....	5.79
Egg Harbor City	Mullica	....	....	.44	.04	....	....	....	1.07	.03	....	....	1 10	.07	....	....	.05	.06	.03	.65	1.39	.43	.09	....	....	.02	....	....	....	....	....	....	5.47
Elizabeth	Coast	.12	....	T.	.50	.48	....	....	.92	.98	....	....	.84	.36	T.	....	....	....	.16	T.	1.26	.87	.19	....	.03	....	....	T.	....	....	....	....	6.71
Flemington	Raritan	....	....	T.	.55	.05	....	....	1.54	.76	....	....	.79	.36	...	T.	.01	T.	.04	.17	1.27	.63	.04	....	.02	....	....	....	....	....	....	....	6.23
Freehold	.do	....	....	....	.46	....	....	....	.95	.50	....	....	.56	.30	....	....	....	....	.12	.07	1.57	.70	.15	....	....	....	....	....	....	....	....	....	5.38
Hammonton	Mullica	.10	....	T.	.50	....	....	....	.64	....	....	....	.85	.28	.08	....	.03	.08	.10	.04	1.73	.25	.05	....	....	.02	.01	T.	....	....	....	....	4.76
Hightstown	Raritan	....	....	T.	.36	....	....	....	1.40	.55	....	....	.66	.39	T.	....	T.	T.	.03	.05	1.28	.39	.13	...	T.	T.	....	.03	....	....	....	....	5.27
Indian Mills	Mullica	.14	....	....	.45	....	....	....	.80	.50	....	....	.72	.41	.03	T.	....	.02	.04	.06	1.58	.23	.05	....	T.	.05	....	....	....	....	....	....	5.08
Jersey City	Coast	....	....	T.	.47	.18	....	....	1.08	.86	....	....	.20	1.01	T.	T.	T.	T.	.16	.02	.99	.65	.36	....	T.	T.	....	T.	....	....	....	....	5.98
Lakewood	Metedeconk	....	....	....	.68	....	....	....	.55	.62	....	....	.52	.65	.10	....	....	....	.10	.10	1.25	.60	.10	....	....	T.	....	....	....	....	....	....	5.27
Lambertville (nr.)	Delaware	....	....	....	.41	.08	....	....	1.96	.55	....	....	1.22	.44	.02	....	....	1.52	.12	.06	.10	.11	.04	....	....	.02	....	....	....	....	....	....	6.65
Layton (near)	....do	....	....	....	.51	.10	....	....	.46	.35	....	....	.86	.09	....	....	....	....	.16	T.	1.15	.81	T.	....	....	....	....	....	....	....	....	....	4.49
Little Falls[3]	Passaic	....	....	....	.45	.01	....	....	.10	2.18	....	....	.14	1.09	T.	....	....	....	.21	.08	.90	.99	.20	.03	....	....	....	....	....	....	....	....	6.38
Long Branch[2]‡	Coast	....	....	.31	.01	....	....	....	1.05	.01	....	....	1.07	.10	T.	....	T.	T.	.11	.15	1.41	.35	.09	....	....	T.	....	....	....	....	....	....	4.66
Long Valley	Raritan	T.	....	....	.50	....	....	....	....	1.96	....	....	.37	1.01		T	....	....	....	.20	1.05	.48	.43	T.	....	....	....	....	....	....	....	....	6.00
Moorestown[3]	Delaware	.04	....	T.	.62	....	....	....	.04	2.18	....	....	.09	.70	T.	T.	T	T.	.03	.11	1 63	.37	.11	T.	....	....	.04	....	....	....	....	....	5.96
Newark[4]	Coast	....	....	.42	.19	....	....	....	1.85	.01	....	T.	1.10	.02	T.	T.	T.	T.	.20	.20	1.02	.83	.09	....	.02	....	....	....	....	....	....	....	5.95
New Brunswick	Raritan	....	....	T.	.40	.02	....	....	.98	.71	....	....	.81	.42	....	....	T.	....	.06	.06	1 34	.63	.07	....	T.	....	....	T.	....	....	....	....	5.50
New Milford[2]‡	Hackensack	....	....	.24	.15	..	....	....	2.16	....	....	....	1.13	....	....	....	....	....	.23	.09	1.08	.53	.11	....	....	....	....	....	....	....	....	....	5.72
Newton	Delaware	.02	....	04	.48	.10	....	....	.90	.51	....	....	.05	1.04	T.	....	....	....	.38	.01	1.25	.78	T.	....	.01	....	....	....	....	....	....	....	5.57
N. Merchantville[2]‡	Delaware	....	....	.44	.09	....	....	....	2.59	.02	....	....	.96	.05	T.	T.	T.	T.	.16	.38	1.48	.18	.01	....	T.	.02	....	T.	....	....	....	....	6.38
Paterson	Passaic	....	....	.38	.05	....	....	....	2.25	.01	....	....	.99	T.	....	....	....	....	.30	.13	.76	.42	.05	T.	....	....	....	....	....	....	....	....	5.34
Pemberton	Delaware	.28	....	....	.52	....	....	....	.82	.70	....	....	.64	.55	.04	....	....	....	.06	.06	1.27	.26	.05	....	....	T	.06	.03	....	....	....	....	5.34
Phillipsburg	....do	....	....	.51	.05	T.	....	....	1.72	T.	....	....	1.15	.09	T.	T.	....	T.	.31	.27	1.25	.36	.04	....	T.	T.	T.	....	....	....	T.	....	5.75
Plainfield	Raritan	....	....	*	.53	.08	....	....	2.08	T	....	....	.89	.33	T.	....	....	T.	.14	.07	1.30	.40	01	....	.03	....	....	....	....	....	....	....	5.86
Pleasantville[3]	Coast	.15	....	....	.72	.04	....	....	....	.55	T.	....	.16	.77	T.	....	.02	.18	.04	.01	1.43	.80	.16	T.	....	....	.08	....	.14	....	....	....	5.25
Rahway	Rahway	.25	....	....	.50	.06	....	....	....	1.75	....	....	.20	.70	....	....	....	....	.15	.05	.90	.85	.10	....	.05	....	....	....	....	....	....	....	5.56
Ridgefield[2]	Hackensack	....	....	.30	.20	.08	....	....	2.10	.04	....	....	.95	.14	....	....	....	....	.19	.18	.97	.57	.20	....	....	....	T	....	....	....	....	....	5.92
Runyon	Coast	.20	....	....	.25	.16	....	....	.75	1.08	....	....	.48	.64	....	....	....	....	.09	.12	1.19	.67	.15	....	....	....	....	....	....	....	....	....	5.78
Sandy Hook[1]‡	Coast	....	....	.43	.04	T.	....	....	1.47	.02	....	....	.73	.02	T.	....	T.	.01	.07	.18	1.11	.37	.09	....	T.	T.	....	T.	....	....	....	....	4.54
Somerville (near)	Raritan	....	....	.03	.49	.09	....	....	1.94	.45	....	....	.81	.26	T.	....	....	....	.12	.17	1.08	.75	.13	....	.03	....	....	.03	....	....	....	....	6.38
Sussex	Hudson	.02	....	T.	.43	.08	....	....	.82	.55	....	....	.86	.18	T.	T.	....	....	.22	.02	1.07	82	.03	T.	....	....	....	T.	....	....	....	....	5.10
Toms River	Coast	....	....	.38	....	....	....	.50	.71	....	....	....	.36	.04	....	....	....	....	.10	.03	1.57	.62	.10	....	....	.10	....	....	.02	....	....	....	4.53
Trenton[1]‡	Delaware	....	....	.48	T.	T.	....	....	1.93	T.	....	....	.98	.05	.01	....	T.	.01	.05	.23	1.20	.24	.04	....	T.	T.	T.	.02	....	....	....	....	5.24
Trenton No. 2[2]	Delaware	....	....	.49	T.	....	....	....	2.26	.01	....	....	1.37	.03	.01	....	T.	T.	.06	.16	1.44	.41	.03	....	T.	T.	....	.04	....	....	....	....	6.31
Tuckerton	Coast	....	....	....	.48	.04	....	....	....	....	....	....	.42	.38	....	....	....	.09	.05	.04	1.09	.92	.04	....	....	.03	.01	.05	....	....	....	....	3.64
Vineland	Maurice	.21	....	....	.59	.06	....	....	.01	1 16	....	....	.32	1.06	.05	....	.06	.17	.01	....	1.77	.20	.14	....	....	....	.11	....	....	....	....	....	5.92
Westfield	Rahway	....	....	....	.44	.03	....	....	....	1.93	....	....	1.00	....	....	....	....	....	.10	.07	.93	.72	.33	....	....	.08	....	....	....	....	....	....	5.63
Woodcliff Lake[2]‡	Hackensack	....	....	.30	.11	....	....	....	2.64	....	....	....	1.10	....	....	....	....	....	.29	.08	1.13	.49	.06	....	....	....	....	....	....	....	....	....	6.20
Woodstown	Delaware	.30	....	T.	.33	....	....	....	2.20	.30	....	....	.82	T.	....	....	.26	....	.10	.08	1.68	.08	.07	....	....	.08	....	....	....	....	....	....	6.30
New York, N. Y[1]‡	Coast	....	....	.36	.30	....	....	....	1.90	T.	....	T	.82	.02	T.	T.	T.	T.	.18	.20	.83	.71	.09	....	T.	T.	T.	....	....	....	....	....	5.41
Phila., Pa[1]‡	Delaware	....	....	.59	T.	....	....	T.	2.67	.02	....	....	.71	.02	.01	....	T.	T.	.10	.33	1.45	.16	T.	....	....	T.	....	T.	....	....	....	....	6.06

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville[3]	Evaporation	.160	.160	.016	.152	.112	.144	.224	*	*	*	.054	.770	*	.144	.052	.084	.056	.026	.086	*	.032	.064	.128	.160	.080	.128	.076	.208	.160	.224	....	3.500
	Wind movement	123	67	88	65	124	69	92	112	115	47	138	180	108	61	70	35	78	68	74	117	129	156	20	96	48	40	63	57	72	150	....	2662
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for April, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum....	54	49	46	57	53	58	55	55	60	58	51	51	39	42	47	53	47	57	62	45	43	46	58	46	53	53	52	58	53	54	....	51.8
	Minimum....	39	34	40	42	40	33	40	44	46	40	43	30	26	30	37	43	41	41	43	41	40	36	35	41	40	41	38	38	44	46	....	39.1
Barnegat City‡	Maximum....	52	49	50	50	52	58	54	54	58	55	50	52	39	49	50	50	49	58	56	50	41	44	68	46	54	56	51	57	54	55	....	51.7
	Minimum....	36	32	39	40	36	33	37	43	42	39	38	27	24	28	32	36	40	40	42	39	33	35	35	38	38	38	38	38	34	44	....	36.5
Belleplain	Maximum....	63	59	56	62	57	58	60	57	59	59	63	57	51	....	52	67	60	69	66	61	67	53	58	57	60	59	55	65	64	74	....	59.9[a]
	Minimum....	33	24	36	43	43	28	27	44	49	34	29	41	21	....	22	39	45	42	48	44	39	36	33	40	29	35	32	30	28	33	....	35.4[a]
Belvidere	Maximum....	50	56	52	61	55	60	64	55	61	61	66	57	37	41	51	55	54	51	55	50	43	42	55	52	61	64	63	70	75	74	...	56.4
	Minimum....	36	31	32	40	40	32	34	43	48	38	33	34	24	23	26	38	44	41	45	40	37	37	37	34	30	33	37	32	34	39	....	35.7
Boonton§§	Maximum....	46	52	48	53	49	56	64	54	57	57	65	56	37	38	52	53	52	53	56	41	40	45	53	51	57	61	60	66	69	73	....	53.8
	Minimum....	37	31	31	36	36	31	37	41	47	37	31	42	25	22	22	33	45	39	39	40	38	36	38	35	33	35	35	34	31	36	....	35.1
Bridgeton	Maximum....	55	57	56	67	54	59	65	54	58	60	66	56	40	43	52	65	60	66	51	52	44	45	59	58	61	62	62	65	69	74	....	57.8
	Minimum....	38	29	38	42	44	31	32	45	50	35	36	39	23	26	27	40	48	45	42	41	39	37	33	42	33	38	36	36	34	40	....	37.3
Burlington	Maximum....	61	56	53	61	61	59	63	58	58	59	67	59	43	41	54	62	56	57	57	50	42	44	56	55	60	62	59	66	73	77	....	67.6
	Miuimum....	37	32	37	40	41	33	33	45	46	49	35	42	25	28	29	41	47	40	47	40	38	37	37	38	35	35	40	35	34	37	....	37.8
Canoe Brook§§	Maximum....	50	55	51	54	52	60	64	58	59	59	62	57	37	41	52	50	50	50	50	41	41	46	56	62	60	62	63	66	68	74	....	54.7
	Minimum....	36	28	26	38	35	27	30	42	46	37	27	44	25	18	20	39	45	39	40	39	38	36	37	30	26	29	29	25	26	32	....	33.0
Cape May.‡	Maximum....	48	52	48	54	50	55	54	50	55	56	51	50	41	42	46	53	49	57	58	47	44	46	55	51	54	56	54	58	54	55	....	51.4
	Minimum....	36	34	39	42	35	36	37	44	44	42	36	31	29	32	34	42	42	43	44	42	39	36	37	36	36	39	38	37	36	45	....	38.1
Charlotteburg	Maximum....	58	51	52	49	49	55	63	60	55	59	62	57	39	37	50	53	64	50	56	57	39	47	51	52	59	60	60	64	70	71	....	54.6
	Minimum....	33	27	27	36	36	28	34	38	45	33	25	36	31	16	15	35	40	35	41	36	32	32	33	29	29	30	30	29	25	36	....	31.7
Clayton	Maximum....	62	56	55	66	60	58	64	57	59	58	65	58	43	41	54	65	61	66	66	49	44	49	57	56	59	60	61	64	70	76	....	58.6
	Minimum....	40	29	35	40	42	31	29	44	48	35	34	40	20	25	26	36	45	40	44	39	36	35	33	38	30	34	35	35	32	35	....	35.5
Dover	Maximum....	51	52	48	52	50	57	63	58	56	56	62	56	37	38	50	52	50	47	55	47	39	43	53	48	57	62	60	65	69	71	....	53.5
	Minimum....	35	31	31	37	33	29	35	40	41	35	39	42	23	19	22	40	42	37	44	37	35	35	35	33	32	35	36	32	30	37	....	34.4
Elizabeth	Maximum....	61	60	55	58	62	64	68	56	61	65	64	63	44	45	55	56	53	51	56	52	41	47	61	55	61	68	65	70	70	79	. ..	58.9
	Minimum....	35	28	31	40	38	29	33	44	46	36	32	42	25	21	22	41	46	40	45	39	37	35	33	35	31	35	35	32	31	35	....	35.1
Flemington	Maximum....	52	55	52	60	57	61	65	58	60	62	68	59	41	43	53	57	55	50	52	50	42	44	57	53	60	62	62	69	72	75	....	56.9
	Minimum....	36	30	35	39	40	32	35	42	48	39	32	39	23	24	27	36	47	39	46	40	38	37	37	35	33	38	39	35	33	36	....	36.3
Freehold	Maximum....	50	54	55	58	54	58	62	55	57	59	64	56	43	40	53	59	53	57	55	49	40	44	55	63	59	59	58	66	63	76	....	55.5
	Minimum....	35	28	33	39	38	29	34	43	49	35	37	43	23	24	26	41	45	38	45	38	36	33	34	36	35	33	35	32	32	37	....	35.5
Hammonton	Maximum....	65	58	66	70	57	59	67	58	60	60	63	60	39	41	55	68	65	69	67	48	42	45	58	57	60	62	60	66	70	79	....	59.6
	Minimum....	36	29	34	41	40	30	30	45	49	35	34	42	23	24	27	35	46	41	47	40	38	37	33	37	32	33	32	33	30	39	....	35.7
Hightstown	Maximum....	51	55	53	58	54	58	63	56	58	59	66	57	39	40	53	59	54	56	54	49	40	45	56	54	59	60	60	64	70	76	....	55.9
	Minimum....	35	29	33	39	37	32	33	44	48	37	33	38	24	25	27	41	46	39	46	39	37	36	35	36	34	33	36	34	32	36	....	35.8
Indian Mills	Maximum....	58	56	54	65	53	58	65	58	58	59	66	57	38	41	63	68	58	66	67	48	41	45	57	53	59	61	59	65	70	78	....	57.8
	Minimum....	35	27	34	40	39	31	27	45	48	36	31	36	24	25	26	36	44	41	46	40	38	36	35	37	30	31	33	32	30	38	....	35.0
Jersey City	Maximum....	50	53	50	53	52	59	63	54	61	59	59	56	45	41	51	54	52	52	53	52	43	42	54	52	59	63	61	66	62	68	....	54.6
	Minimum....	39	34	37	40	40	34	43	45	47	40	41	45	24	27	32	45	47	40	46	42	39	35	38	43	41	43	42	43	43	49	....	40.1
Lakewood	Maximum....	55	57	55	60	55	61	64	54	62	61	63	56	45	43	54	63	50	58	53	49	41	47	60	54	61	60	58	66	64	76	....	56.8
	Minimum....	35	28	33	40	37	30	32	45	50	35	30	45	25	21	24	43	44	39	46	39	38	35	34	34	35	31	32	33	29	33	....	35.2
Lambertville (near)	Maximum....	51	54	48	58	54	58	64	53	57	59	65	57	40	39	54	55	52	54	53	50	48	50	53	52	55	60	60	65	70	74	....	55.4
	Minimum....	29	28	35	38	38	31	38	43	45	36	45	40	22	23	28	34	34	34	34	30	33	34	36	35	36	40	40	36	39	36	....	35.0
Layton(near)	Maximum....	53	51	45	60	48	57	63	63	56	55	64	54	35	39	52	56	53	50	58	50	40	42	53	48	57	59	50	67	72	72	....	53.7
	Miuimum....	34	23	24	34	32	25	25	40	43	34	23	27	22	16	24	30	46	38	42	37	36	35	35	27	24	24	29	24	24	32	....	30.3
Little Falls§§	Maximum....	49	54	50	55	52	59	65	58	60	60	62	58	41	45	52	53	52	52	57	52	39	47	55	53	59	62	62	67	69	75	....	55.8
	Minimum....	37	29	30	39	37	32	38	42	46	38	31	44	25	24	25	42	45	38	40	39	37	35	36	36	32	33	35	33	33	39	....	35.6
Long Branch*	Maximum....	51	55	48	54	52	59	59	55	59	59	56	57	38	42	48	52	47	47	54	46	41	45	55	48	56	57	54	64	59	64	....	52.7
	Minimum....	36	31	34	40	35	32	36	43	46	38	34	28	25	27	27	44	40	39	45	39	36	35	36	37	36	37	36	36	34	39	....	36.0
Long Valley§§	Maximum....	49	53	52	54	50	57	61	56	56	54	65	55	38	39	50	51	50	50	54	40	40	43	50	50	60	62	60	66	70	72	....	53.6
	Minimum....	34	28	34	36	34	20	29	32	41	35	28	40	26	16	19	34	41	48	39	38	36	35	35	31	28	32	30	29	28	32	....	32.1
Moorestown	Maximum....	54	55	52	64	52	58	62	55	58	58	66	58	37	40	53	65	53	60	52	45	42	43	55	53	58	60	58	64	70	75	....	55.8
	Minimum....	36	32	37	40	37	33	36	45	41	39	34	26	24	26	29	41	41	40	45	39	37	36	39	40	35	35	37	36	33	39	....	36.3
Newark‡	Maximum....	49	54	50	55	50	59	67	51	60	61	60	57	38	41	63	54	50	50	56	47	40	45	54	49	59	60	60	65	65	70	....	54.3
	Minimum....	37	34	38	39	35	32	38	43	43	40	38	27	22	28	27	44	41	40	46	38	35	35	36	41	38	40	39	40	39	41	....	37.4
New Brunswick	Maximum....	50	53	49	55	55	58	62	58	56	58	64	56	40	39	51	54	51	50	51	47	39	43	54	52	57	59	56	64	69	75	....	54.3
	Minimum....	35	30	32	38	38	30	36	43	47	35	35	40	24	24	25	41	43	38	45	39	37	35	35	36	34	36	38	33	33	36	....	35.7
Newton	Maximum....	53	49	42	55	48	54	63	50	55	57	64	53	38	51	48	51	51	49	53	50	37	41	50	50	55	60	58	61	70	69	....	52.8
	Minimum....	30	26	29	34	37	26	35	39	44	32	30	20	28	19	22	32	40	36	41	35	32	29	33	32	30	34	34	34	35	39	....	32.2
N. Merchantville*	Maximum....	51	58	54	65	54	60	66	54	60	61	67	58	40	42	54	67	52	60	57	46	43	45	59	55	61	52	62	67	74	78	....	57.7
	Minimum....	38	34	40	42	41	36	37	46	45	40	40	28	25	29	32	42	42	40	46	39	38	37	37	40	37	40	41	39	37	42	....	38.3
Paterson§§	Maximum,...	48	55	50	53	51	57	65	54	59	59	62	57	38	42	54	53	52	51	57	42	41	50	55	63	59	62	62	68	68	75	....	55.1
	Minimum .-..	37	32	34	39	38	31	36	44	45	38	35	44	26	25	27	36	45	39	40	40	39	36	36	40	37	38	39	38	36	43	....	37.1
Pemberton	Maximum....	52	57	54	63	66	60	65	57	59	60	67	58	52	40	54	65	60	59	58	54	42	45	58	56	60	61	60	67	71	78	....	68.6
	Minimum....	36	29	35	40	40	30	31	46	50	39	34	43	23	25	27	41	47	40	48	38	37	37	35	37	32	33	38	33	33	38	....	36.5
Phillipsburg	Maximum....	57	54	51	59	52	60	62	51	57	60	65	55	39	40	51	55	61	51	52	43	44	44	51	52	59	64	60	69	73	73	....	55.5
	Miuimum....	37	31	36	40	37	32	34	42	44	38	33	28	34	25	26	39	43	39	44	40	37	36	36	34	31	35	38	35	36	39	....	35.9
Plainfield	Maximum....	51	55	51	54	52	60	64	54	58	60	67	57	39	42	54	57	50	52	55	49	40	46	67	51	61	62	62	66	71	77	....	55.8
	Minimum....	36	31	37	40	41	31	35	46	47	37	35	34	25	25	25	42	46	39	46	40	38	36	37	37	34	40	40	40	35	39	....	37.1
Pleasantville§§	Maximum....	56	58	52	63	56	62	60	57	64	61	57	53	40	46	51	63	50	62	55	47	45	46	59	52	58	56	58	63	60	59	....	55.6
	Minimum....	37	21	39	41	37	28	25	44	47	34	31	46	23	24	22	37	44	41	47	42	38	36	33	37	31	35	31	30	25	44	....	35.0
Ridgefield*	Maximum....	48	54	49	52	52	59	65	53	60	59	60	56	37	43	53	51	51	49	50	47	40	43	55	60	59	61	60	65	67	70	....	53.9
	Minimum....	37	31	34	39	38	30	38	46	42	38	35	27	26	26	29	45	44	39	47	39	35	36	36	40	37	37	38	37	37	45	....	36.9
Runyon	Maximum....	54	57	54	57	54	62	63	54	60	61	61	56	42	40	53	55	53	54	46	42	40	41	52	54	62	62	65	68	74	78	....	65.8
	Minimum....	34	21	24	39	35	27	26	42	47	30	27	42	22	16	24	42	42	43	38	39	37	34	32	39	25	28	30	29	24	28	....	31.9
Sandy Hook*	Maximum....	48	52	44	52	49	55	58	52	54	56	55	54	38	40	47	48	46	46	50	45	41	43	53	47	57	57	54	64	59	64	....	50.9
	Minimum....	38	35	38	40	37	35	40	44	43	40	38	30	27	30	33	42	40	39	43	39	37	36	39	41	39	42	42	42	41	44	....	38.5
Somerville(near)	Maximum....	50	54	54	55	52	57	63	52	56	59	66	56	37	39	53	56	51	50	63	46	40	43	45	62	57	62	60	66	69	74	....	54.2
	Minimum....	35	29	35	38	37	29	36	42	46	35	34	34	23	22	25	40	43	38	44	38	36	35	34	35	34	37	39	33	35	41	....	35.4
Sussex	Maximum....	51	52	47	58	50	57	64	55	56	56	64	56	35	39	52	54	55	50	58	52	40	45	53	49	57	62	61	66	72	74	....	54.7
	Minimum....	36	30	28	37	35	30	35	41	42	35	29	33	23	20	21	35	41	39	44	38	36	35	36	33	29	30	32	29	30	37	....	33.3
Trenton*	Maximum....	50	54	51	59	51	58	60	55	58	58	65	57	38	39	52	68	49	67	53	46	42	43	54	52	60	60	59	65	70	74	....	54.9
	Minimum....	37	34	40	42	37	34	39	47	42	40	39	27	25	28	31	42	40	40	46	39	36	37	37	41	38	40	42	40	41	42	....	38.1
Trenton No. 2*	Maximum....	51	55	51	59	52	59	62	55	58	60	66	57	39	42	64	60	54	55	57	49	43	44	56	55	60	63	62	68	72	77	....	56.5
	Minimum....	36	32	39	40	39	33	36	46	45	39	35	31	24	26	31	39	41	40	42	40	32	36	36	38	36	38	41	38	36	41	....	36.9
Tuckerton	Maximum....	....	....	46	48	51	56	....	....	...	....	....	55	52	43	48	59	58	60	58	48	43	43	58	50	58	58	58	62	60	61	....	....
	Minimum....	....	..	40	42	40	30	....	....	....	....	....	42	35	27	28	40	40	41	44	38	38	33	34	35	36	34	36	36	34	40	....	....
New York, N. Y.*	Maximum....	47	53	50	54	50	57	63	52	59	59	58	56	32	40	50	55	53	54	55	49	41	43	52	51	60	60	58	63	63	67	....	53.6
	Minimum....	36	34	39	39	34	33	42	44	42	39	44	27	25	28	30	43	44	41	46	39	35	33	37	42	40	43	42	42	45	46	....	38.5
Philadelphia, Pa.*	Maximum....	52	58	52	63	64	59	62	54	58	60	65	58	38	39	52	63	55	61	58	46	44	45	59	54	57	62	62	67	70	74	....	56.7
	Minimum....	39	35	40	41	41	36	41	46	44	40	43	29	26	30	35	43	42	41	46	40	38	37	37	43	42	44	45	42	44	44	....	39.8

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

/N J

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CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLV. MAY, 1940. No. 5.

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GENERAL SUMMARY.

This month was the third wettest May on record, the State average of 6.29 inches of rainfall being exceeded only in the years 1894 and 1908 when the average was in excess of seven inches. Also, it was the third consecutive month with precipitation considerably above normal. This lengthy wet period resulted in farm work and the planting of crops being delayed to a great extent. The rain was well distributed both as to area and time of occurrence, the heaviest falls, in some cases over four inches, were recorded on the 16-17th and 30th-31st in all sections of the State. Minor damage, by way of local floods and washouts, resulted because of these heavy rains.

The month was nearly normal in respect to temperature, the average being slightly below the normal figure. The maxima were mostly in the high eighties, a few stations, however, recorded temperatures in the nineties. These highest temperatures occurred generally on the 14th or 15th. The minima showed a considerable range, 28° to 45°, with most stations recording temperatures in the thirties.

F. H. T.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 59.7°, which was 0.7° below normal. The highest temperature was 92° at North Merchantville on the 15th, and the lowest, 28°, at Layton on the 10th. The greatest daily range of temperature was 44° at Charlotteburg on the 14th. The highest monthly mean temperature was 62.6° at Bridgeton and North Merchantville, and the lowest, 56.3° at Barnegat City.

The temperature departure from the normal for the year, 1940, to date, for the State is −3.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 54 stations, was 6.29 inches, which was 2.61 inches above normal. The greatest monthly precipitation was 9.12 inches, at Elizabeth, and the least, 4.33 inches at Barnegat City. The greatest amount of precipitation in any 24 consecutive hours was 4.89 inches at Hammonton on the 16-17th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +3.73 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 3, 20, 21, 22, 24, 25, 26, 27, 28, 31. HAIL: 20.
THUNDERSTORMS: 3, 4, 8, 9, 14, 16, 17, 20, 21, 25, 26, 27, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Atlantic City	29.93	30.20	6	29.52	3	17.3	46	e.	31	81	73	80	49
Long Branch	29.91	30.21	30	29.49	3	11.7	25	nw.	7	80	59	70	64
Ridgefield	29.90	30.24	30	29.52	3	....	....	....	....	....	....	....	....
Sandy Hook	29.92	30.23	30	29 52	3	12.2	34	s.	16	83	73	80	51
Trenton	29.91	30.21	29	29.48	3	9 1	26	s.	15	75	56	67	62

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	.....	.....	.....	.....
1886	58.8	87	36	6.07	0	.....	.....	.....	.....
1887	63.3	94	35	1.37	0	6	.....	.....	.....
1888	58.6	90	26	4.92	0	16	.....	.....	.....
1889	62.3	94	32	4.09	0	12	.....	.....	.....
1890	60.7	87	33	4.24	0	12	.....	.....	.....
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	**21**	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
1938	59.2	89	26	3.52	0	12	10	9	12
1939	63.3	99	25	1.43	0	6	16	8	7
1940	59.7	92	28	6.29	0	15	8	9	14
Period	60.4	102	21	3.68	0	11	13	9	9

Climatological Data for May, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	57.4	−0.7	85	7	43	12	32	4.69	+1.64	1.70	0	14	2	14	15	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	56.3	......	89	7	42	3†	37	4.33	+1.47	1.45	0	15	....	....	....	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	62.0	+1.2	88	14†	31	11	40	4.90	+1.38	1.83	0	12	14	7	10	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	60.8	0.0	90	15	35	12	38	5.88	+2.34	1.36	0	15	13	1	17	......	Miss C. S. Hixson.
Boonton	Morris	280	§60	58.6	−0.2	83	14	37	10	35	5.56	+1.86	1.87	......	17	12	2	17	ne.	John Kline.
Bridgeton	Cumberland	30	57	62.6	−0.8	90	14†	38	11	40	6.09	+2.82	2.70	0	13	14	7	10	ne.	Bennett K. Matlack
Burlington	Burlington	12	§54	62.4	−0.4	91	15	38	11	39	6.63	+3.12	1.93	0	11	12	6	13	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	5.01	....	2.10	0	15	5	13	13	n.	Central Airport, Inc
Canoe Brook ‡‡	Essex	180	10	57.4	−1.3	84	15	30	10	40	6.70	+3.16	2.19	......	16	15	5	11	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	57.0	−1.6	84	14	41	4†	29	4.60	+1.61	1.58	......	11	....	....	....	......	U. S. Coast Guard.
Charlotteburg ‡‡	Passaic	760	48	57.2	−0.5	86	14	30	10†	44	6.12	+2.24	1.80	0	15	5	7	19	e.	Newark Water Dept.
Chatham	Morris	185	86	......	......	......	......	......	......	....	6.73	+2.81	2.09	....	17	7	12	12	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	60.8	−0.8	88	15	34	11	41	5.17	+2.13	2.33	0	11	6	4	21	e.	Worthy Hitt.
Culvers Lake ‡‡	Sussex	760	39	......	......	......	......	......	......	....	4.34	+0.51	0.84	0	14	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	58.0	−0.7	82	14	36	10†	33	6.22	+2.59	1.40	0	15	3	8	20	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	...	5.06	+0.85	2.07	0	16	20	3	8	.....	Chas. E. Hall.
Elizabeth	Union	34	61	61.2	−0.6	88	14	37	12	40	9.12	+5.48	3.47	0	15	11	6	14	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	61.3	−0.1	87	14	38	11	37	5.51	+1.99	1.11	0	17	14	7	10	e.	Hiram E. Deats
Freehold	Monmouth	194	§36	60.0	......	89	15	36	12	36	6.84	+3.12	2.49	0	15	15	4	12	e.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	61.6	......	91	15	35	11	40	8.93	+5.32	4.89	0	16	7	12	12	sw	J. G. Wilson.
Hightstown	Mercer	110	47	59.7	−1.2	88	15	37	11	35	6.72	+3.11	1.85	0	15	8	13	10	ne.	James R. Pickering.
Indian Mills ‡‡	Burlington	100	51	60.8	−1.0	90	15	33	11	42	8.49	+5.15	3.38	0	14	6	14	11	s.	Edward Entwistle.
Jersey City	Hudson	81	42	60.4	−1.3	84	14	42	12	26	6.93	+3.48	2.28	0	16	6	12	13	e.	Jersey Journal.
Lakewood	Ocean	54	36	60.3	−0.1	89	15	38	11	38	6.29	+2.51	2.10	0	13	4	9	18	ne.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	....	......	......	......	......	....	....	....	...	......	Wm. J. Lauderdale.
Layton (near) ‡‡	Sussex	480	39	57.6	−0.1	84	15	28	10	40	5.59	+2.45	1.97	0	16	7	5	19	ne.	A. M. Depue.
Little Falls	Passaic	157	37	59.4	−0.9	84	14	37	10	36	7.31	+3.37	2.45	0	17	6	9	16	e.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	58.1	−0.4	86	14	43	11	32	6.07	+2.22	2.06	0	16	4	12	15	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	57.8	......	85	14	32	11	41	5.67	....	2.53	0	16	6	16	9	nw.	R. H. Johnson.
Moorestown	Burlington	62	77	60.6	−0.7	88	15	39	11	36	5.94	+2.42	2.14	0	12	3	15	13	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	59.9	−1.3	84	14	42	12	30	8.10	+4.23	2.98	0	21	2	11	18	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	59.5	−1.0	84	14	39	11	32	6.74	+3.08	2.02	0	13	6	7	18	ne.	N. J. Experiment Station
New Milford ‡‡	Bergen	12	22	......	......	......	......	......	......	....	6.19	+2.75	2.12	......	15	....	....	...	......	Hackensack Water Co
Newton	Sussex	769	57	57.4	−2.1	85	15	36	10†	33	5.61	+2.00	1.47	0	18	8	5	18	ne.	Irving J. Kern.
N. Merchantville	Camden	63	6	62.6	......	92	15	42	12	37	5.45	....	2.32	0	17	4	13	14	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	8.15	....	3.57	......	18	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	69	60.2	−1.3	84	14	40	10	34	6.43	+2.66	2.26	0	14	14	7	10	nw.	J. W. Cook.
Pemberton	Burlington	55	10	61.7	−1.3	90	15	36	11	36	7.46	+4.04	2.71	0	13	12	6	13	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	60.2	−0.9	88	15	36	12	36	4.44	+1.13	1.42	0	16	7	13	11	......	Town Engineer.
Plainfield	Union	120	52	60.4	+0.2	86	14	40	11†	35	8.21	+4.48	2.68	0	16	3	12	16	e.	S. K. Pearson.
Pleasantville ‡‡	Atlantic	8	§42	58.8^{b}	−0.2	91	14	31	11	39	5.01	+1.83	1.91	......	12	15	4	12	ne.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	....	8.19	....	3.25	0	14	7	14	10	......	Norman C. Wittmer.
Ridgefield	Bergen	80	23	59.4	−0.5	83	14	40	12	30	8.13	+4.66	2.95	0	16	5	14	12	ne.	George P. Kirsten.
Runyon ‡‡	Middlesex	18	17	58.6	−0.9	86	7	31	12	42	6.50	+2.74	2.10	......	14	14	9	8	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	57.5	−0.9	79	14	45	12	26	5.39	+1.67	1.61	0	18	4	9	18	e.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	57	59.6	−0.9	83	14†	37	12	33	6.28	+2.74	1.73	0	17	9	6	16	se.	Richard H. Rogers.
Sussex	Sussex	450	45	58.8	−0.9	83	15	33	10	38	4.78	+1.35	1.15	0	16	9	6	16	sw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	....	......	....	7.09	+2.74	1.80	......	16	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	68	61.0	−0.1	88	15	41	12	32	5.93	+2.85	1.69	0	16	2	10	19	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	10	61.2	......	90	15	40	12	38	5.98	....	1.99	0	18	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	59.6	−0.3	88	14	40	11†	33	4.38	+0.94	1.35	0	13	16	4	11	ne.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	7.29	+4.09	4.50	......	12	....	....	....	......	Edward H. Ladd.
Westfield	Union	......	....	......	......	......	......	......	......	....	8.80	....	3.00	0	13	11	8	12	s.	Town Engineer.
Woodcliff Lake ‡‡	Bergen	103	22	......	......	......	......	......	......	....	6.20	+2.74	2.10	......	16	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	5.45	....	2.05	......	11	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	70	59.6	−1.0	79	14	42	12	22	6.84	+3.60	3.01	0	17	4	8	19	ne.	U. S. Weather Bureau
Philadelphia, Pa.	......	26	69	62.4	−0.5	88	15	43	12	29	4.89	+1.63	2.05	0	17	3	9	19	ne.	U. S. Weather Bureau.
For the State	......	......	....	59.7	−0.7	92	15	28	10	44	6.29	+2.61	4.89	0	15	8	9	14	ne.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-6-26-40-925

Daily Precipitation for May, 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City¹‡	Coast	T.	.22	....	.16	....	....	....	....	.16	....	....	....	....	....	....	1.07	.63	....	....	.03	T.	.46	.10	.03	T.	.02	.08	.36	....	.69	.68	4.69
Barnegat City⁴	Coast	T.	.34	.02	T.	....	....	....	....	.13	....	....	....	....	....	....	1.01	.30	....	....	.05	.13	.61	.03	T.	.01	.04	.05	.16	....	.40	1.05	4.33
Belleplain	Tuckahoe	....	.14	.06	....	....	....	....	....	.45	....	....	....	....	....	....	.03	1.16	....	....	....	....	.21	.61	.05	.04	.17	....	.15	....	....	1.83	4.90
Belvidere	Delaware	T.	.20	.09	.31	....	....	....	....	.22	....	.13	....	....	....	....	1.36	.40	....	....	1.00	.60	T.	.26	.07	.12	.09	T	.33	T.	....	.70	5.88
Boonton³	Passaic	....	.10	.02	.18	.04	....	....	....	.19	....	....	.06	....	....	....	....	1.87	....	....	....	.09	.26	.37	.02	.07	.21	.02	.59	.23	....	1.24	5.56
Bridgeton	Delaware	....	.11	.03	....	....	....	....	....	.23	....	....	....	....	....	....	2.70	.50	....	....	....	.07	.11	.18	....	.02	.03	.07	.58	....	T.	1.46	6.09
Burlington	....do	....	.12	.15	....	....	....	....	....	.70	....	T.	....	....	....	....	1.25	.68	....	....	....	.97	T.	.40	....	.03	....	.01	.97	....	....	1.35	6.63
Camden⁴	Delaware	.11	T.	T.	.02	....	T.	....	....	.06	....	.04	....	....	T.	T.	2.10	T.	....	....	.20	.85	.13	.07	.01	.01	T.	.39	.03	....	.49	.50	5.01
Canoe Brook³	Passaic	T.	.15	.06	.31	....	....	....	....	.19	....	....	.10	....	....	....	....	2.19	....	....	....	.18	.18	.40	.03	.08	.22	.03	.66	.02	....	1.90	6.70
Cape May⁴	Coast	....	.02	.04	....	....	....	....	.18	.39	....	....	....	....	....	T.	1.55	.01	....	....	T.	....	.53	.08	T.	T.	T.	.22	....	....	1.55	.03	4.60
Charlotteburg	Passaic	....	.11	.26	.09	....	....	....	....	.24	....	....	.10	....	....	....	.48	.89	....	....	....	.61	....	.48	.06	.21	.22	.04	.53	....	....	1.80	6.12
Chatham³	..do	....	.18	.11	.32	.02	....	....	....	.20	....	....	.11	....	....	....	...	2.09	....	T.	T.	.12	.23	.38	.14	. 2	.18	.04	.64	.14	....	1.71	6.73
Clayton	Delaware	....	.11	....	.10	....	....	....	....	.32	....	....	....	....	....	....	1.48	.85	....	....	....	.28	.05	.38	....	.10	....	....	.33	....	....	1.17	5.17
Culvers Lake	....do	....	.12	.12	.30	....	....	....	....	.20	.84	....	.22	....	....	....	.64	....	....	....	....	.80	....	.17	.08	.09	.03	....	.40	....	....	.33	4.34
Dover	Passaic	*	.10	*	.65	....	....	....	....	.21	....	.04	....	....	.05	....	1.25	.15	....	....	*	1.34	*	.40	.06	.20	*	.04	.38	....	.01	1.34	6.22
Egg Harbor City²	Mullica	.04	.05	....	.20	....	....	....	....	.28	....	....	....	....	....	....	.86	.09	....	....	.02	....	.80	.15	.03	.03	.18	.05	.21	....	.65	1.42	5.06
Elizabeth	Coast	T.	.32	.05	.25	....	....	....	....	.32	....	....	.21	....	....	....	.94	.80	....	....	T.	.76	.01	.63	.02	.34	.13	....	.87	....	....	3.47	9.12
Flemington	Raritan	T.	.10	.31	.34	....	....	....	....	.16	....	.02	....	T.	....	....	.46	1.11	....	...	.05	.91	.01	.21	.01	.06	.05	.01	.66	....	....	1.04	5.51
Freehold	.do	T.	.09	.02	.17	.02	....	....	....	.18	....	....	.07	T.	....	....	.63	1.33	....	....	....	.28	.03	1.00	T.	.19	.02	T	.32	....	....	2.49	6.84
Hammonton	Mullica	T.	.09	.04	.21	....	....	....	....	.34	....	T.	.02	....	..	..	3.09	1.80	....	....	....	.09	.25	.51	.03	.05	.04	.03	.17	....	T.	2.17	8.93
Hightstown	Raritan	T.	.21	.15	.06	....	....	....	T.	.12	....	.11	.05	....	T.	....	1.32	.26	....	....	T.	1.48	.03	.42	T.	.08	T.	.02	.56	....	....	1.85	6.72
Indian Mills	Mullica	T.	.08	.74	.01	....	....	....	....	.14	....	.08	T.	....	T.	....	2.96	.42	....	....	....	1.02	.18	.75	T.	.04	01	T.	.15	....	T.	1.91	8.49
Jersey City	Coast	T.	.37	.13	.18	....	T.	....	T.	.13	....	T.	.12	T.	T.	....	.74	1.17	....	....	T.	.30	.09	.66	.02	.07	.03	.02	.62	....	....	2.28	6.93
Lakewood	Metedeconk	....	.09	.20	.44	....	....	....	.. .	.08	....	....	....	....	....	....	.10	1.16	...	....	....	T.	.07	1.25	T.	.20	.03	.02	.55	....	....	2.10	6.29
Lambertville(nr).	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	....do	....	.26	.17	.48	....	....	....	....	.25	....	.03	....	....	....	....	1.33	.64	....	....	.40	.27	....	.16	.04	.16	.04	.05	.67	....	.. .	.64	5.59
Little Falls³	Passaic	....	.16	.13	.18	.07	....	....	....	.13	....	....	.15	....	....	....	....	2.10	....	....	....	.02	.14	.44	.03	.07	.07	.02	1.10	.05	....	2.45	7.31
Long Branch²‡	Coast	.04	.29	....	.21	....	....	....	...	.15	....	.04	....	....	....	....	1.02	.28	....	....	....	T.	.80	.46	.02	.05	.03	.09	.53	....	.10	1.96	6.07
Long Valley³	Raritan	....	.12	.03	.46	....	....	....	....	.20	...	....	.04	....	....	....	....	1 03	....	....	....	2.53	.15	.18	.04	.05	.11	.07	.38	.10	....	.18	5.67
Moorestown³	Delaware	.10	....	.06	.12	....	....	....	....	.15	....	....	....	....	....	....	....	2.14	....	.. .	....	.03	.89	.51	T.	.03	T.	.02	.76	....	....	1.13	5.94
Newark⁴	Coast	.27	.11	.02	.13	....	....	....	.06	.11	....	.15	....	T.	.03	....	2.01	.03	....	....	.23	.51	.44	.17	.01	.07	.01	.14	.50	....	.12	2.98	8.10
New Brunswick	Raritan	T.	.27	.10	.04	T.	....	....	....	.12	....	....	.13	....	T.	....	.83	1.09	T	...	T.	.50	T.	.61	T.	.18	.05	T.	.80	....	....	2.02	6.74
New Milford²‡	Hackensack	.22	.38	....	.10	....	....	....	....	.10	...	.26	....	....	....	....	1.68	.11	....	....	....	.14	.13	.22	.01	.07	....	.15	.50	....	....	2.12	6.19
Newton	Delaware	T.	.15	.16	.42	....	....	....	T.	.22	....	.12	.01	T.	.12	....	1.21	.04	....	....	.71	.76	.05	.10	.05	.08	.02	T.	.66	....	....	.73	5.61
N. Merchantville²‡	Delaware	.09	.01	.03	T.	....	T.	....	....	.11	....	.04	....	T.	T.	....	2.30	.02	....	.. .	.22	.80	.13	.10	T.	.06	.01	.35	.05	....	.50	.63	5.45
Orange²‡	Rahway	.20	.09	.02	.27	....	....	....	....	.14	....	.22	....	....	....	....	2.03	.03	....	....	.01	.15	.28	.22	.03	.12	.05	.24	.48	....	....	3.57	8.15
Paterson³	Passaic	.16	.13	T.	.10	....	....	....	....	.09	....	.19	....	....	....	....	1.99	.04	....	....	T.	.11	.16	.20	T.	.12	T	.20	.68	....	....	2.26	6.43
Pemberton	Delaware	....	.07	.03	.05	....	....	....	....	.14	....	T.	.06	....	....	....	1.51	1.20	....	....	....	.76	.10	.92	....	T.	T.	.01	.21	....	....	2.40	7.46
Phillipsburg	....do	.03	.11	.17	T.	....	....	....	T.	.30	....	.09	....	....	T.	....	1.42	.12	....	....	.75	.14	T.	.09	.03	.20	.13	.22	.24	....	T.	.40	4.44
Plainfield	Raritan	T.	.22	.01	.22	....	....	....	....	.21	....	....	.20	....	....	....	1.40	.51	....	....	.47	.22	.04	.37	*	.35	.14	.04	1.13	....	....	2.68	8.21
Pleasantville³	Coast	...	T.	.04	.33	....	....	....	....	.16	....	...	....	...	....	....	....	1.37	....	....	....	.06	T.	.78	.01	.05	.05	.03	.22	....	T.	1.91	5.01
Rahway³‡	Rahway	.20	.05	....	.20	....	....	....	....	.24	....	.20	....	....	....	....	....	1.85	....	....	.30	1.00	.45	....	.05	.05	....	.25	.10	....	....	3.25	8.19
Ridgefield²	Hackensack	T.	.61	.13	.12	....	....	....	T.	.14	....	T.	.11	....	....	....	.70	1.35	....	....	.01	.78	T.	.60	.07	.04	.07	.01	.44	....	T	2.95	8.13
Runyon	Coast	....	.38	.12	.08	....	....	....	....	.23	..	....	.07	....	....	....	.85	.76	....	....	....	.51	....	.68	.02	.22	.06	....	.42	....	....	2.10	6.50
Sandy Hook¹‡	Coast	.02	.27	.01	.21	....	....	....	T.	.11	....	.07	....	....	T.	....	1.17	.40	....	....	....	.04	.48	.18	.01	.10	.01	.06	.64	....	.05	1.56	5.39
Somerville(near)	Raritan	.02	.10	.59	.09	....	....	....	....	.25	....	.07	.02	....	..	....	1.43	.30	....	....	T.	.59	...	.34	.03	.17	.11	.03	.80	....	....	1.34	6.28
Sussex	Hudson	....	.07	.15	.23	T.	....	....	...	.22	....	.11	....	....	....	....	.82	.21	....	....	.09	.61	.02	.17	.04	.06	.20	T.	1.15	....	....	.63	4.78
Toms River	Coast	.20	.22	.04	.01	....	....	....	.19	....	....	....	....	....	....	....	....	.95	....	....	..	....	1 16	.06	.02	.10	08	.03	.40	.03	1.80	1.80	7.09
Trenton¹‡	Delaware	.11	T.	.42	T.	....	T.	....	....	.04	....	.10	....	T.	T.	....	1.66	.02	....	....	.11	.55	.15	.07	.01	.03	T.	.31	.66	....	.33	1.36	5.93
Trenton No. 2²	Delaware	.08	.05	.45	T.	....	....	....	....	.04	....	.18	. .	....	T.	....	1.98	.01	....	....	.09	.57	.16	.09	.02	.05	.03	.32	.22	....	.35	1.29	5.98
Tuckerton	Coast	....	.07	.28	.04	....	....	....	....	.28	....	....	....	....	....	....	....	1.10	....	....	....	....	.19	.41	.07	.09	.09	.09	.32	....	....	1.35	4.38
Vineland³	Maurice	....	.09	T.	.02	....	....	....	...	.14	T.	....	T.	....	....	....	....	4.50	....	....	....	T.	.01	.60	.01	.02	.07	.08	.10	....	....	1.65	7.29
Westfield³‡	Rahway	.16	.07	.10	.13	....	....	....	....	.34	....	.18	....	....	....	....	....	2.05	....	T.	.17	.23	....	.46	....	....	.37	....	1.54	...	....	3.00	8.80
Woodcliff Lake²‡	Hackensack	.32	.37	....	.08	....	....	....	....	.14	....	25	....	....	....	....	1.71	.08	....	....	....	.08	.11	.22	.01	.11	.08	.18	.36	....	....	2.10	6.20
Woodstown	Delaware	....	.10	....	....	....	....	....	.30	....	....	T.	....	....	....	....	2.05	.90	....	....	....	.16	T.	.18	T.	.06	.20	.18	.34	....	T.	.98	5.45
New York, N. Y¹‡.	Coast	.22	.28	T.	.12	....	T.	....	.01	.14	....	.12	....	T.	T.	....	1.35	.24	....	....	T.	.02	.39	.26	T.	.08	.03	.04	.53	....	.01	3.00	6.84
Phila., Pa¹‡	Delaware	.09	T.	T.	.13	....	....	....	....	.08	....	.03	. .	....	T.	....	2.03	.02	....	....	.42	.47	.15	.04	.01	.04	.02	.23	.06	....	.37	.70	4.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook³	Evaporation	....	....	....	.048	.176	.128	.288	.110	.176	.192	.132	.160	.128	.112	.128	.110	.176	.192	.160	.068	.004	.016	.030	.032	*	.010	.052	.004	.128	.124	.008	3.202
	Wind movement	23	6	12	5	13	16	19	4	4	8	9	6	12	14	12	9	16	12	11	10	12	14	10	12	6	2	2	5	9	18	8	319
Pleasantville³	Evaporation	.144	.024	.170	.160	.128	.160	.352	.224	.144	.272	.176	.208	.160	.304	.240	.202	.272	....	.224	.268	.240	*	*	*	*	.008	.092	.192	.160	.262	.148	5.098
	Wind movement	138	51	82	101	56	93	72	65	52	62	*	174	72	82	141	127	62	*	154	77	57	120	100	51	60	54	30	62	68	118	58	2439
Runyon	Evaporation	.120	.020	.000	.080	.160	.210	.240	.240	.290	.180	.120	.190	.180	.180	.180	.030	.160	.220	.180	.180	.140	.120	.080	.080	.000	.000	.060	.060	.240	.240	.040	4.220
	Wind movement	48	53	20	23	44	34	16	38	29	38	33	42	38	64	19	57	58	48	28	24	20	32	77	86	60	73	24	30	42	58	67	1323

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for May, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	55	55	56	60	71	67	85	63	60	59	60	61	65	84	66	62	69	66	65	66	66	60	55	54	58	53	68	77	64	58	64	63.5
	Minimum	49	48	46	45	46	53	53	52	50	47	47	43	51	60	57	55	53	52	52	56	56	55	50	50	51	51	52	56	50	52	55	51.4
Barnegat City‡	Maximum	57	53	50	59	70	69	89	66	55	60	59	58	62	84	66	71	69	70	71	76	72	57	56	55	54	54	62	74	60	58	64	63.9
	Minimum	44	45	42	44	43	46	52	50	44	44	46	42	48	52	50	49	52	51	49	54	54	51	50	50	50	50	52	54	50	47	56	48.7
Belleplain	Maximum	73	76	69	64	69	79	84	81	74	65	69	64	78	88	88	84	77	72	83	79	79	74	68	63	59	59	77	74	74	67	72	73.6
	Minimum	50	50	49	44	42	39	61	50	48	41	31	39	42	56	81	60	46	44	46	58	59	60	54	50	50	51	52	57	48	49	53	50.3
Belvidere	Maximum	74	70	68	61	73	76	84	77	70	74	73	62	79	86	90	77	65	67	76	75	75	78	70	69	63	62	66	74	71	70	69	72.4
	Minimum	47	50	45	47	46	40	55	53	45	36	39	35	47	49	57	58	50	43	42	54	56	63	59	52	56	55	54	58	49	40	48	49.3
Boonton§§	Maximum	72	64	70	61	69	71	77	69	68	70	69	64	75	83	79	65	64	67	71	78	73	73	62	66	59	60	63	72	62	68	64	68.6
	Minimum	43	50	48	49	49	46	51	51	47	37	38	39	42	48	52	53	53	43	41	49	57	60	57	53	54	54	54	55	48	41	48	48.7
Bridgeton	Maximum	75	69	68	61	70	82	83	82	65	70	73	65	81	90	90	78	65	75	83	82	81	74	65	65	66	63	79	75	80	64	75	74.0
	Minimum	52	51	47	45	42	42	59	53	48	44	38	40	44	55	57	58	50	47	51	60	61	62	57	52	53	54	54	58	52	49	53	51.2
Burlington	Maximum	77	74	66	62	72	80	84	82	76	72	73	66	79	88	91	83	64	71	82	82	74	74	66	64	60	58	69	74	70	66	74	73.3
	Minimum	51	53	50	47	46	43	58	54	51	45	38	40	44	55	56	60	53	49	43	58	57	61	56	53	53	52	52	45	53	50	69	51.5
Canoe Brook§§	Maximum	72	65	68	62	72	71	80	72	69	70	70	65	74	80	84	67	66	69	69	77	71	73	61	67	59	59	66	82	63	66	69	69.6
	Minimum	45	49	45	47	40	34	47	49	46	30	33	32	34	43	45	48	52	38	39	48	56	49	56	52	53	53	53	55	46	36	50	45.3
Cape May‡	Maximum	57	55	58	56	65	64	77	63	61	61	59	60	64	84	65	61	64	65	65	62	69	62	59	56	59	56	70	73	68	61	65	63.4
	Minimum	49	49	47	41	48	49	54	52	48	47	41	45	50	55	55	54	51	46	55	54	56	53	50	50	50	52	52	55	52	50	55	50.5
Charlotteburg	Maximum	73	66	67	62	68	69	75	76	67	68	69	62	75	86	78	73	64	66	76	78	73	71	68	66	62	58	62	69	71	66	62	69.2
	Minimum	40	47	46	45	45	40	45	47	44	30	30	35	34	42	55	52	49	36	35	46	55	59	54	49	52	52	51	51	47	37	48	45.1
Clayton	Maximum	77	69	68	63	69	79	82	80	77	69	72	66	77	85	88	85	64	71	85	81	77	73	66	64	62	61	75	73	75	65	71	73.2
	Minimum	51	50	46	43	44	38	59	49	47	43	34	38	42	54	55	45	50	46	48	57	59	60	56	50	51	50	42	50	50	43	52	48.5
Dover	Maximum	71	61	67	61	70	72	77	67	67	69	69	63	74	82	80	70	64	67	69	74	68	71	62	65	58	58	62	70	60	65	63	67.6
	Minimum	46	50	47	46	46	42	52	52	47	36	37	36	42	49	56	57	51	42	40	50	56	61	53	51	53	53	53	55	49	40	49	48.3
Elizabeth	Maximum	75	67	74	63	77	73	85	78	72	78	73	70	77	88	81	72	74	72	71	79	71	73	67	73	62	60	72	77	75	69	78	73.4
	Minimum	50	51	50	49	47	40	50	50	46	40	38	37	42	48	55	56	52	43	42	51	57	59	55	51	53	53	53	56	49	42	50	48.9
Flemington	Maximum	74	71	68	64	73	76	84	81	72	75	75	67	79	87	85	72	68	71	74	79	75	72	69	65	62	58	67	73	74	65	71	72.5
	Minimum	49	51	47	48	48	42	54	53	44	39	38	39	46	51	55	58	52	45	44	52	55	62	58	53	55	54	53	58	54	45	50	50.1
Freehold	Maximum	73	66	69	60	70	70	80	81	74	70	71	65	76	86	89	84	64	68	71	80	76	70	63	63	58	55	65	65	72	63	75	70.7
	Minimum	49	50	48	46	43	45	58	51	48	39	41	36	42	54	53	58	54	44	47	57	56	58	52	50	51	50	50	54	50	41	52	49.3
Hammonton	Maximum	77	70	73	63	69	80	84	79	69	70	73	65	79	88	91	78	66	72	84	83	78	73	61	61	60	58	77	75	72	63	75	73.1
	Minimum	50	51	46	44	45	40	60	48	48	42	35	40	43	61	54	58	51	47	48	59	60	59	55	51	52	51	52	57	50	43	53	50.1
Hightstown	Maximum	74	65	69	62	70	74	80	75	67	70	70	64	75	84	88	72	64	67	72	81	70	67	63	64	59	54	64	72	68	62	78	69.8
	Minimum	50	50	48	48	46	44	57	51	48	40	37	38	43	51	53	58	52	43	44	56	56	60	55	52	53	51	52	57	50	44	52	49.6
Indian Mills	Maximum	76	67	71	61	70	81	84	76	68	71	71	64	78	88	90	72	65	71	84	82	75	69	62	61	60	58	75	74	71	65	73	72.0
	Minimum	49	51	46	45	42	39	61	49	49	43	33	39	40	56	55	58	51	45	46	57	59	60	55	51	52	51	52	57	47	43	53	49.5
Jersey City	Maximum	68	59	61	60	72	70	81	80	69	72	67	65	70	84	75	70	64	68	69	71	72	68	60	60	64	62	65	72	67	64	66	68.2
	Minimum	54	51	51	49	49	51	56	56	48	46	50	42	53	59	58	59	54	54	44	57	58	58	55	52	52	53	53	56	55	50	51	52.7
Lakewood	Maximum	74	67	69	59	72	74	85	80	67	67	72	66	79	88	89	81	69	70	72	79	76	68	63	61	58	55	67	74	64	63	75	71.1
	Minimum	47	50	52	47	43	41	58	49	49	41	38	39	41	56	52	60	53	45	44	57	58	58	54	51	51	50	51	55	50	40	53	49.5
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Layton (near)	Maximum	71	68	68	60	69	73	75	65	68	68	66	62	74	79	84	79	64	64	74	73	75	75	68	68	61	61	67	72	65	70	61	69.3
	Minimum	40	42	42	45	47	33	52	42	43	28	33	33	40	42	47	55	50	38	36	43	55	68	58	60	56	55	55	55	43	44	46	46.0
Little Falls§§	Maximum	72	63	70	71	73	72	80	71	70	73	70	65	76	84	78	68	66	72	70	76	74	70	60	66	60	61	64	74	64	68	64	69.8
	Minimum	48	52	50	49	42	42	50	53	46	37	41	39	41	48	55	53	58	42	42	51	59	60	57	52	53	54	54	57	47	41	50	49.1
Long Branch*	Maximum	67	60	61	59	71	68	83	65	63	64	63	63	76	86	72	67	68	69	63	70	70	64	58	60	55	54	58	75	60	58	66	65.7
	Minimum	47	50	47	46	48	48	56	53	49	46	43	45	45	54	52	58	52	46	46	55	57	56	53	51	51	51	51	54	52	49	53	50.5
Long Valley§§	Maximum	71	62	69	60	70	74	79	70	68	70	69	64	76	85	84	63	64	67	71	76	70	72	62	67	59	58	65	70	66	67	70	69.0
	Minimum	42	49	46	45	40	38	45	50	45	36	32	35	40	44	53	58	50	40	38	49	52	58	57	52	52	53	52	55	48	40	48	46.5
Moorestown	Maximum	76	65	65	62	70	79	82	76	66	67	71	64	76	87	88	65	63	70	83	82	72	67	60	63	60	58	70	72	70	66	71	70.5
	Minimum	51	52	48	46	46	43	57	52	50	43	39	41	44	58	55	55	52	49	51	58	58	59	55	53	52	50	48	56	51	45	52	50.6
Newark‡	Maximum	67	60	68	60	72	72	81	73	70	70	67	64	76	84	76	69	67	69	69	70	70	69	60	64	60	60	67	72	60	67	67	68.4
	Minimum	50	50	49	49	50	50	54	52	47	48	44	42	49	54	56	56	51	49	49	55	59	59	53	52	53	53	53	57	54	45	52	51.4
New Brunswick	Maximum	73	70	65	60	69	73	80	78	67	69	69	63	75	84	83	77	63	67	69	78	73	68	65	64	60	56	61	71	70	61	70	69.4
	Minimum	49	51	49	47	47	45	56	53	47	42	39	40	44	52	52	52	52	44	44	52	56	59	54	51	54	53	52	56	51	44	51	49.6
Newton	Maximum	72	67	66	59	65	70	75	71	65	67	70	62	71	75	85	73	70	65	70	66	73	75	60	62	60	58	61	69	65	69	60	67.6
	Minimum	47	46	43	43	44	44	56	46	42	36	38	36	51	53	52	52	53	41	39	51	52	59	54	47	53	53	52	53	46	40	44	47.3
N. Merchantville*	Maximum	77	66	67	63	73	81	85	78	69	71	73	67	80	90	92	68	65	72	87	85	74	67	62	65	61	59	73	76	73	67	72	72.8
	Minimum	52	53	50	46	48	47	62	53	50	47	43	42	53	59	56	58	52	50	50	60	59	62	55	53	53	52	52	58	49	46	56	52.5
Paterson§§	Maximum	72	63	71	61	72	73	80	70	71	74	71	66	72	84	79	69	67	67	72	76	73	73	61	67	61	62	64	73	64	69	65	69.7
	Minimum	50	50	50	48	48	47	53	54	47	40	45	42	45	50	59	55	53	45	44	52	58	60	57	53	54	54	54	56	51	44	52	50.6
Pemberton	Maximum	76	74	69	64	70	78	83	83	70	70	72	65	76	86	90	82	65	70	82	82	80	72	63	63	62	59	72	75	73	65	75	73.1
	Minimum	50	52	47	47	44	42	58	53	50	42	36	39	43	56	54	59	51	47	47	58	58	61	51	52	52	51	53	57	51	45	53	50.3
Phillipsburg	Maximum	73	64	66	60	74	75	85	73	70	73	69	68	79	85	88	75	64	68	75	75	73	74	67	66	60	68	65	72	69	65	71	70.9
	Minimum	50	51	45	47	44	41	53	53	46	39	40	36	47	49	57	57	50	43	42	54	55	62	59	53	53	55	53	58	51	45	50	49.6
Plainfield	Maximum	75	63	70	63	70	73	82	75	69	72	70	65	75	86	79	69	67	69	70	80	68	71	63	66	59	58	64	74	65	65	71	69.9
	Minimum	52	53	50	49	49	45	54	54	49	42	40	40	46	51	56	58	54	44	44	53	57	60	55	52	54	54	54	57	50	46	52	50.8
Pleasantville§§	Maximum	65	60	66	61	71	72	86	66	66	65	....	66	74	91	77	68	71	....	73	71	73	63	63	56	58	57	73	78	67	63	71	68.7[b]
	Minimum	49	50	47	43	44	36	54	48	49	42	31	....	42	52	54	55	51	44	....	55	58	57	53	51	50	50	52	54	48	49	53	49.0[b]
Ridgefield*	Maximum	67	60	68	63	72	71	80	71	68	70	68	64	73	83	72	65	67	68	70	73	72	69	60	62	60	61	65	70	63	66	65	67.9
	Minimum	51	52	52	49	49	47	54	54	46	43	45	40	46	53	58	56	54	47	46	56	60	58	52	52	52	53	54	57	51	44	51	51.0
Runyon	Maximum	78	71	66	61	73	74	86	80	70	79	73	69	76	85	70	73	65	68	71	77	74	74	68	67	61	56	73	75	75	69	71	71.9
	Minimum	46	45	46	48	45	36	49	48	47	39	46	31	34	46	48	53	40	38	37	43	46	53	46	54	53	52	52	51	48	36	49	45.3
Sandy Hook*	Maximum	64	58	57	57	68	66	74	66	62	64	61	61	69	79	69	63	64	65	61	67	68	64	58	61	57	55	59	70	59	59	64	63.5
	Minimum	48	49	46	47	48	51	55	52	48	49	47	45	49	53	52	54	55	51	52	55	56	57	53	52	54	53	52	55	52	51	51	51.5
Somerville (near)	Maximum	74	64	68	60	68	70	80	73	69	69	69	64	75	83	83	73	63	65	71	79	69	71	65	71	59	58	65	71	66	65	69	69.3
	Minimum	50	50	48	51	45	55	47	50	47	38	43	37	45	57	57	56	50	44	43	51	55	63	55	51	53	53	52	56	50	43	48	49.8
Sussex	Maximum	72	66	70	62	71	73	72	72	69	71	70	64	76	80	83	74	65	66	75	73	72	75	67	70	63	62	69	73	73	70	62	70.3
	Minimum	44	50	42	47	47	38	54	47	46	33	35	38	40	44	51	56	51	39	37	49	54	59	57	51	55	56	56	56	46	41	47	47.3
Trenton*	Maximum	74	64	66	60	71	76	82	75	67	69	70	63	77	86	88	67	63	68	78	80	72	68	61	64	58	56	63	72	65	62	73	69.6
	Minimum	52	53	50	48	48	49	60	55	50	47	46	41	50	58	56	58	52	47	51	60	59	61	54	52	53	52	52	58	50	47	55	52.4
Trenton No. 2*	Maximum	76	66	70	61	71	78	83	76	68	72	72	66	79	89	90	69	66	70	79	82	73	69	62	60	59	57	66	73	68	66	73	71.3
	Minimum	52	53	49	48	46	46	57	52	50	45	42	40	43	51	55	60	51	52	46	59	56	60	55	52	54	52	52	57	52	44	54	51.1
Tuckerton	Maximum	63	62	62	62	72	72	85	78	65	64	64	65	74	88	80	68	70	70	71	72	73	70	62	60	59	56	68	76	76	60	72	69.0
	Minimum	50	48	45	43	42	48	52	50	48	42	40	40	45	57	54	56	50	58	58	55	55	55	54	50	52	50	52	55	50	48	56	50.3
New York, N. Y.*	Maximum	63	58	66	58	70	71	78	70	66	70	66	62	71	79	74	67	64	67	69	67	70	69	62	66	61	60	65	70	63	65	63	66.8
	Minimum	50	50	47	50	48	53	58	55	47	49	44	42	51	62	58	55	53	50	54	57	58	57	53	54	53	52	52	56	53	51	52	52.4
Philadelphia, Pa.*	Maximum	75	63	66	62	70	78	84	74	68	70	69	65	79	87	88	68	63	71	83	82	71	69	63	63	60	58	71	75	72	65	70	71.0
	Minimum	55	53	49	46	48	54	64	56	51	49	48	43	54	61	59	54	53	51	55	62	61	62	55	53	54	52	53	59	50	49	56	53.8

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLV. JUNE, 1940. No. 6.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

Temperature averaged just about normal for the State. The warmest weather was generally on the 4th and 13th, though a few southern stations registered high readings on the 24th, while comparatively cool weather prevailed to the northward. Former high records for June were not approached, however. Light frost was recorded on the mornings of the 21st and 22d at some stations, and temperatures of 32° were registered at three stations on the 21st and 22d. It appears that the only damage by frost, however, was a slight injury to cranberries.

This was the first month since February with the State average precipitation below normal. A number of stations, however, received more than normal rainfall. The smallest monthly totals were in the southern counties where several stations received less than half their normal amounts. Rainfall increased toward the north and was well-distributed throughout the month in all sections. With an abundance of rain during the preceding three months and heavy rains general at the close of May, soil moisture continued adequate. Hay crops made excellent growth and small grains did well. There was much late planting of crops, field corn being especially late. There were no destructive winds during the month. Lightning and hail did some damage in Essex County on the 19th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 68.6°, which was 0.4° below normal. The highest temperature was 95° at Elizabeth on the 4th, 7th and 14th, and the lowest, 32°, at Layton, Runyon and Charlotteburg on the 21st and 22d. The greatest daily range of temperature was 48° at Belleplain on the 21st. The highest monthly mean temperature was 72.0° at Bridgeton, and the lowest, 64.1° at Newton.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.8°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 52 stations, was 3.28 inches, which was 0.55 inches below normal. The greatest monthly precipitation was 6.00 inches, at Long Valley, and the least, 1.55 inches at Atlantic City. The greatest amount of precipitation in any 24 consecutive hours was 3.05 inches at Lakewood on the 10th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +3.18 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 2, 4, 5. 9, 10, 12, 13, 14, 15, 19, 20, 24, 25, 26, 27, 28, 29, 30.
DENSE FOG: 1, 2, 15, 19.
HAIL: 1, 19, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.94	30.32	17	29.50	24	13.3	29	ne.	10	79	68	72	60
Long Branch	29.91	30.31	17	29.50	25	11.4	37	nw.	26	79	53	64	63
Ridgefield	29.91	30.30	17	29.54	25	....	....	....	....	....	....	....	....
Sandy Hook	29.92	30.30	17	29 56	24	11.7	39	w.	26	79	64	76	67
Trenton	29.92	30.28	17	29.54	24	8.3	27	nw.	30	76	50	61	76

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	**1.57**	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	**64.0**	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	**106**	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	**73.6**	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
1938	67.2	96	**29**	**7.79**	0	13	11	9	10
1939	70.8	99	35	3.55	0	10	12	9	9
1940	68.6	95	32	3.28	0	10	12	9	9
Period	69.0	106	29	3.83	0	10	13	10	7

Climatological Data for June, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	69.2	+2.6	90	6	51	21	23	1.55	−1.49	0.61	0	6	8	9	13	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	67.6	......	92	13	50	1†	29	1.61	−1.93	0.42	0	5	....	....	....	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	70.7[b]	+1.4	90	13	39	21†	48	1.56	−1.88	0.92	0	4	18	8	4	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	69.1	−0.3	93	4	41	22	37	5.65	+1.65	1.95	0	10	14	6	10	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	66.2	−1.3	91	4	40	22	32	3.24	−0.72	0.64	......	12	15	0	15	nw.	John Kline.
Bridgeton	Cumberland	30	57	72.0	−0.1	91	4†	45	21	32	2.05	−1.87	1.03	0	6	18	9	3	sw	Bennett K. Matlack
Burlington	Burlington	12	§54	71.4	0.0	94	4†	44	22	35	1.79	−1.90	0.89	0	10	12	12	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	....	Central Airport, Inc
Canoe Brook ‡‡	Essex	180	10	66.6	−0.7	93	4	35	22	39	3.32	−1.30	0.80	......	10	20	1	9	w.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	68.5	+0.8	89	24	47	22	24	......	......	......	......	....	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	65.7	+0.1	89	4†	32	22	41	4.21	−0.25	0.86	0	15	9	10	11	s.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	....	4.22	+0.26	0.83	......	11	15	10	5	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	70.4	+0.8	90	4†	42	22	31	2.24	−1.50	0.67	0	8	13	3	14	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	3.67	−0.77	1.12	0	9	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	66.0	−1.0	88	13	40	22	31	4.49	+0.06	1.35	0	11	5	9	16	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	...	2.53	−0.98	1.14	0	5	22	5	3	......	Chas. E. Hall.
Elizabeth	Union	34	61	69.4	−1.2	95	4†	40	21	45	3.58	−0.02	1.40	0	12	15	3	12	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	70.0	+0.1	94	4	43	22	33	2.32	−1.29	0.50	0	12	18	6	6	w.	Hiram E. Deats
Freehold	Monmouth	194	§36	68.4	......	92	4†	41	22	38	3.57	−0.18	1.29	0	9	19	7	4	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	70.8	......	92	4	41	22	35	2.14	−1.62	0.76	0	9	15	9	6	w.	J. G. Wilson.
Hightstown	Mercer	110	47	68.6	−0.6	90	4†	42	22	34	1.89	−1.87	0.68	0	8	13	12	5	w	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	70.1	+0.1	93	4†	37	22	40	2.94	−0.99	1.17	0	11	8	16	6	w.	Edward Entwistle.
Jersey City	Hudson	81	42	69.9	−1.1	92	4†	50	22	25	3.45	−0.33	0.93	0	10	5	16	9	w.	Jersey Journal.
Lakewood	Ocean	54	36	68.8	0.0	93	4	40	22	32	4.85	+0.84	3.05	0	10	8	12	10	w.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton(near)‡‡	Sussex	480	39	65.4	−0.7	90	13	32	22	38	3.86	−0.67	1.03	0	13	8	11	11	sw.	A. M. Depue.
Little Falls	Passaic	157	37	67.5	−1.7	92	4	40	22	35	2.96	−1.06	0.75	0	12	12	8	10	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	67.6	−0.1	92	13	45	21	29	3.77	−0.09	1.05	0	12	6	15	9	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	65.0[a]	......	90	4	37	21	35	6.00	......	2.51	0	9	13	12	5	sw.	R. H. Johnson.
Moorestown	Burlington	62	77	69.0	−1.2	90	13	43	22	32	1.57	−2.21	0.58	0	8	7	13	10	sw.	Japanese Beetle Laboratory
Newark	Essex	10	41	68.4	−1.2	92	4†	46	21	29	3.60	−0.92	1.18	0	13	2	12	16	.....	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	68.4	−0.9	90	4†	43	22	36	3.24	−0.44	1.16	0	9	9	10	11	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	3.47	−0.55	1.21	......	13	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	57	64.1	−3.8	88	4	37	22	34	4.77	+0.29	1.31	0	15	7	14	9	sw.	Irving J. Kern.
N. Merchantville	Camden	63	6	71.5	......	93	13	49	22	29	1.86	......	0.71	0	9	8	15	7	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	3.44	......	1.65	......	13	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	69	68.4	−1.7	92	4	44	22	30	3.87	+0.17	1.20	0	12	19	4	7	nw.	J. W. Cook.
Pemberton	Burlington	55	10	70.8	−0.8	92	4†	42	22	35	1.78	−2.93	0.72	0	7	13	11	6	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	68.6	−0.9	92	13	43	22	35	4.41	+0.68	0.95	0	12	5	14	11	......	Town Engineer.
Plainfield	Union	120	52	68.8	−0.1	92	4†	44	22	31	5.59	+1.72	1.94	0	11	6	16	8	w.	S. K .Pearson.
Pleasantville‡‡	Atlantic	8	§42	69.4	+0.9	93	19	40	22	34	1.62	−1.88	0.43	......	11	20	6	4	s.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	....	3.51	......	0.91	......	8	11	9	10	.....	Norman C. Wittmer.
Ridgefield	Bergen	80	23	68.4	−0.3	91	4	43	22	29	4.00	−0.14	1.86	0	11	8	15	7	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	68.6	0.0	92	13	32	21	41	4.31	+0.30	1.71	......	8	18	10	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	67.6	−0 2	89	4	52	21	23	4.16	+0.38	1.27	0	13	6	16	8	w.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	57	67.4	−1.7	90	4	42	21	30	3.86	+0.35	1.12	0	12	12	8	10	sw.	Richard H. Rogers.
Sussex	Sussex	450	45	67.3	−0.1	91	13	35	22	38	3.76	--0.32	1.08	0	14	13	11	6	w.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	4.62	+0.94	1.80	0	10	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	68	69.7	+0.2	92	4	49	22	27	1.90	−1.19	0.91	0	9	4	13	13	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	10	69.9	......	92	4	45	22	31	2.44	......	0.84	0	10	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	69.2	+0.3	92	4†	51	21	33	2.85	−0.88	1.78	0	9	17	1	12	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	2.26	−1.36	1.52	0	7	....	....	....	......	Edward H. Ladd.
Westfield	Union	......	....	......	......	......	......	......	......	....	3.78	......	0.91	0	10	22	1	7	ne.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	3.33	--0.47	1.41	......	12	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	3.15	......	1.07	......	7	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	70	68.4	−0.4	91	4	50	21	27	3.11	−0.22	1.10	0	13	5	15	10	w.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	69	71.4	0.0	91	4	51	21	24	2.52	−0.72	1.01	0	10	5	15	10	sw.	U. S. Weather Bureau.
For the State	......	......	....	68.6	−0.4	95	4†	32	21†	48	3.28	−0.55	3.05	0	10	12	9	9	w.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-7-26-40-925

Daily Precipitation for June, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast					T.				.55	.06			T.				T.		.06					.12	T.	.47		T.	.29	T.		1.55
Barnegat City[4]	Coast									.42									.06						.40		.36			.37			1.61
Belleplain	Tuckahoe									.08	.92																.14			.42			1.56
Belvidere	Delaware	1.49	T.							1.95	T.					.21			T.	.02					.70	.14	.21		.26	.55	.12		5.65
Boonton[3]	Passaic	.24	.32			.10					.36	.05					.06				.09				.34	.64	.43	.20		.41			3.24
Bridgeton	Delaware	.13							T.		1.03													T.		.13	.04	.05		.67			2.05
Burlington	....do	.01	.13						.02		.22					T.			.14						.13	.10	.15		.04	.85			1.79
Camden[4]	Delaware																																
Canoe Brook[3]	Passaic	.12	.18								.36	.02									.10				.46	.36	.40	.80		.52			3.32
Cape May[4]	Coast																																
Charlotteburg	Passaic	.03	.72							.03	.10	.03	.04			.30	.37			.15					.86	.30	.60		.08	.43	.17		4.21
Chatham[3]	..do	.21	.25			.15					.42			T.			.05				.47				.36	.57	.35	.83		.56			4.22
Clayton	Delaware	.05	.53						.14		.58								.15							.50	.17			.12			2.24
Culvers Lake	...do	T.	.47	T.						.18	T.		.17			T.	.35								1.06	.06	.20		.06	1.12	T		3.67
Dover	Passaic	1.35								.30	.04					.22				.28					.87	.03	.54		.33	.45	.08		4.49
Egg Harbor City[2]	Mullica									.99	.15														.29		.46			.64			2.53
Elizabeth	Coast		.10		.05					.08	.24	.01				.06				.15					.73	.30	1.10		.08	.68			3.58
Flemington	Raritan	.29	.25							.39	.05					.02			.01	T.					.46	.16	.26		.09	.30	.04		2.32
Freehold	.do		.10								1.29	T.				.04				.25					.20	.52	.51		.17	.49			3.57
Hammonton	Mullica		.44						.02		.76			.03	.04				.07						T.	.39	.18		T.	.21			2.14
Hightstown	Raritan	T.	.04							T.	T.	T.				.18			.04	T.				T.	.20	.56	.19		.56	.12			1.89
Indian Mills	Mullica	.23	.11			T.			T.		.31			.09		.09			.13	T.					.64	.11	.06	T.	.96	.21	T.		2.94
Jersey City	Coast	.19	T.		T.						.26	.01				.03			T.	.63					.45	.64	.93		.06	.25			3.45
Lakewood	Metedeconk		.06							.05	3.05	T.	.02			.12			T.						.14	.15	.54		.15	.57			4.85
Lambertville(nr.)	Delaware																																
Layton(near)	....do	.25	.14		.08					.20	.01					.14				.35					1.03	.04	.26		.22	1.00	.14		3.86
Little Falls[3]	Passaic	.10	.25			.01					.23	.04					.04				.20				.75	.40	.48	.17		.29			2.96
Long Branch[2]‡	Coast	.03								.29	.03	.01				.04			T	.78				.01	.98		1.05		.23	.29	.03		3.77
Long Valley[3]	Raritan	.08	2.51								1.22	T.					.11				.40				.54	.20	.40	.54		T.			6.00
Moorestown[3]	Delaware	T.	.48								.22						.03			.12					.08		.02			.58	.04		1.57
Newark[4]	Coast	.02	T.		.22					.22	.01	T.				.01			T.	.32				.15	.79	.13	1.18	T.	.50	.04	.01		3.60
New Brunswick	Raritan		.03						T.	T.	.08	T.	T.			.03				.16					.62	1.16	.51		.32	.33			3.24
New Milford[2]‡	Hackensack		.42							.07	.02	.03				.14	.05							.02	1.21	.09	.84		.34	.07	.17		3.47
Newton	Delaware	1.15	.16		.02					.25	.05	.01				.12	.17			.05					1.05	.03	.90		.15	.56	.10		4.77
N. Merchantville[2]‡	Delaware	.25				T.			.04	.17	T.			T.		T.			.14					T.	.29		.08		.46	.25	.18		1.86
Orange[2]‡	Rahway	.01								.27	.10	.03				.02				.15				.04	.76	.05	1.65		.29	.01	.06		3.44
Paterson[3]	Passaic	.20	T.							.65	.02	T.				.16				.03				.05	1.15	.06	1.12		.28	.06	.09		3.87
Pemberton	Delaware		.10								.10								.05						.14	.36	.31			.72			1.78
Phillipsburg	....do	.70								.80	T.		.03			.38			.05	.09				T.	.69	.05	.27		.95	.34	.06		4.41
Plainfield	Raritan	.08								1.94	T.	.02	T.			.06			T.	.38					1.03	.25	.95		.76	.06	.06		5.59
Pleasantville[3]	Coast	.02	.10								.43				.05						.14					.17	.23	.16		.12	.20		1.62
Rahway[3]‡	Rahway									.80						.17					.32				.70	.62	.29	.31	.30				3.51
Ridgefield[2]	Hackensack	T.								.24	.01	.03				.03				.22					.95	.24	1.86		.35	.03	.04		4.00
Runyon	Coast										.80					.36				.07					1.15	.56	.58		.32	.47			4.31
Sandy Hook[1]‡	Coast	.01	.01							.80	.01	T.				.41			T.	.35				.03	1.25	.06	.82		.26	.12	.03		4.16
Somerviile(near)	Raritan	.14	.05							.58	.09		.11			.23				.13					.79	.07	.55		1.11	.01	T.		3.86
Sussex	Hudson	.24	.05	T.		.02				.10	.01	.01				.08	.31								1.08	.11	.67		.07	.95	.06		3.76
Toms River	Coast	1.80	.15							1.11	.03				.07										.12	.46	.40		.38		.10		4.62
Trenton[1]‡	Delaware	.05							T.	.14	T.	T				T.			.09	T.				T.	.66	.25	.08		.53	.06	.04		1.90
Trenton No. 2[2]	Delaware	.07								.23	.01					T.			.08						.84	.31	.24		.52	.09	.05		2.44
Tuckerton	Coast		.05			.04					1.78			.04											.08	.34	.11		.08	.33			2.85
Vineland[3]	Maurice	.01	.07				T.				1.52															.17	.04	.05		.40			2.26
Westfield[3]‡	Rahway		.10								.49						.05				.23				.84	.28	.42	.46		.91			3.78
Woodcliff Lake[2]‡	Hackensack		.19							.06	.01	.04				.17	.01								1.41	.07	.93		.11	.23	.10		3.33
Woodstown	Delaware	T.	1.07							.20		.18	T.													.80	.20			.62	.08		3.15
New York, N. Y[1]‡	Coast	.02			.02					.18	.07	T.				.03			T.	.37				.02	.83	.19	1.10	T.	.30	.02	.01		3.11
Phila., Pa[1]‡	Delaware	.11							.04	1.01	T	T.				.02			.15						.47	T.	.02	T.	.28	.28	.14		2.52

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.084	.224	.192	.080	.192	.256	.224	.208	.152	.068	.064	.160	.192	.176	.128	.224	.160	.064	.004	.320	.176	.128	.108	.008	.016	.256	.192	.072	.224	.080	....	4.432
	Wind movement	7	5	8	2	4	9	3	5	4	4	1	2	12	5	10	3	5	8	9	15	10	4	5	5	2	7	8	6	17	13	....	193
Pleasantville[3]	Evaporation	.132	.240	.240	.240	.192	.352	756	.160	.190	.144	.096	.240	.306	.288	.192	.400	.208	.272	252	.320	.240	.320	.144	.122	.166	.160	.176	.264	.296	.100	....	6.708
	Wind movement	30	44	50	37	38	60	48	69	52	65	28	51	52	56	79	26	27	60	67	80	52	55	33	49	31	36	46	70	71	79	....	1541
Runyon	Evaporation	.060	.160	.240	.220	.180	.220	.270	.240	.240	.140	.120	.180	.240	.240	.240	.240	.240	.240	.130	.265	.180	.180	.210	.050	.060	.090	.220	.200	.170	.240	....	5.705
	Wind movement	23	34	26	27	31	36	22	22	36	54	32	21	31	30	30	32	18	24	26	30	14	26	24	28	28	20	22	19	60	40	....	866

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for June, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	63	74	77	82	83	90	74	69	71	68	66	71	85	75	89	79	72	73	90	73	71	68	75	83	74	76	82	75	81	79	....	76.3
	Minimum	53	61	64	67	64	68	61	62	64	58	58	59	67	66	66	66	65	66	67	58	51	53	62	64	62	61	61	65	64	59	....	62.1
Barnegat City‡	Maximum	62	72	82	82	84	87	76	77	72	63	64	70	92	74	90	75	72	71	90	72	70	68	80	74	69	76	82	74	80	78	....	75.9
	Minimum	50	55	60	66	63	62	58	61	61	56	56	59	63	63	64	62	60	63	64	53	50	54	58	61	59	59	56	61	62	57	....	59.2
Belleplain	Maximum	77	79	82	89	86	84	84	81	85	85	82	85	90	88	87	86	81	77	87	....	87	84	80	....	87	77	82	87	87	83	....	83.9[b]
	Minimum	55	51	54	59	67	66	55	52	60	59	56	60	68	65	62	69	55	61	64	....	39	39	53	....	60	60	50	53	63	54	....	57.5[b]
Belvidere	Maximum	74	80	88	93	89	86	90	84	89	69	76	88	91	84	85	83	85	72	90	75	70	76	76	68	78	73	81	80	80	79	....	81.1
	Minimum	55	55	53	59	62	64	53	60	63	60	58	65	74	60	66	62	55	61	66	48	44	41	45	55	55	59	49	48	65	52	....	57.1
Boonton§§	Maximum	76	78	84	91	86	82	84	79	86	61	74	84	88	81	82	79	77	70	86	67	68	70	74	57	73	70	77	78	78	75	....	77.2
	Minimum	54	55	56	61	61	67	54	56	58	57	56	57	63	61	59	63	55	55	61	52	42	40	43	54	54	55	54	46	51	52	....	55.1
Bridgeton	Maximum	79	80	85	91	86	87	86	74	89	81	81	87	91	86	90	86	82	79	90	85	70	76	78	91	86	79	84	88	85	80	....	83.7
	Minimum	56	58	56	61	67	66	60	55	64	61	58	65	69	66	67	70	58	64	67	58	45	46	53	62	61	61	54	56	65	56	....	60.2
Burlington	Maximum	79	81	88	94	90	88	89	80	82	89	80	89	94	89	90	85	82	75	84	85	71	76	76	73	77	76	88	85	83	80	....	83.3
	Minimum	57	58	60	63	68	67	57	58	64	59	57	64	70	65	64	69	51	63	65	53	49	44	57	58	58	58	53	53	63	57	....	59.4
Canoe Brook§§	Maximum	73	80	85	93	86	83	85	79	86	76	74	92	89	81	87	81	77	75	86	68	68	71	75	58	80	73	79	78	80	76	....	79.1
	Minimum	56	56	50	56	69	62	46	54	55	57	56	58	72	59	59	59	52	53	63	56	37	35	40	54	55	55	50	41	56	52	....	54.2
Cape May‡	Maximum	62	78	75	85	82	85	75	69	72	67	69	71	88	76	88	84	71	70	87	73	70	68	77	89	78	77	79	76	77	78	....	76.5
	Minimum	52	56	62	63	63	62	59	61	62	59	58	61	66	65	64	63	64	64	65	53	50	47	58	65	64	60	57	65	64	62	....	60.5
Charlotteburg	Maximum	74	77	85	89	89	87	86	89	82	75	71	84	88	87	84	82	76	77	87	79	66	69	77	76	73	74	77	76	77	72	....	79.5
	Minimum	56	53	48	48	55	65	49	54	55	54	54	60	64	57	55	58	52	47	61	48	41	32	36	50	52	55	50	38	62	48	....	51.9
Clayton	Maximum	78	79	84	90	85	86	86	79	87	82	79	87	90	87	89	84	80	78	88	86	69	73	76	88	88	75	81	86	85	79	....	82.8
	Minimum	55	54	55	69	65	66	57	54	60	57	56	62	69	63	65	67	56	57	65	55	44	42	56	60	58	59	52	55	62	55	....	58.0
Dover	Maximum	72	76	83	87	85	81	84	76	82	76	70	82	88	79	81	77	75	67	85	74	66	70	73	63	72	69	77	75	78	73	....	76.5
	Minimum	58	55	53	66	61	68	53	57	58	56	56	62	68	60	62	53	53	56	64	49	43	40	43	52	54	55	49	45	61	53	....	55.4
Elizabeth	Maximum	74	83	90	95	91	90	95	86	90	71	74	85	94	95	89	82	79	75	93	83	78	78	79	69	74	74	83	88	84	81	....	83.4
	Minimum	58	56	55	59	62	60	50	56	60	57	55	61	67	58	60	62	57	55	63	49	40	41	46	55	55	58	48	48	65	50	....	55.5
Flemington	Maximum	76	81	87	94	88	84	88	80	90	70	74	90	91	90	88	84	81	80	92	83	70	75	77	69	77	76	81	82	82	80	....	82.0
	Minimum	57	53	55	61	63	69	56	58	61	58	58	63	72	62	64	64	56	60	66	51	45	43	48	57	56	60	50	50	65	56	....	57.9
Freehold	Maximum	74	79	85	92	92	85	86	80	89	70	76	85	90	88	87	84	79	72	89	76	68	74	73	66	75	73	80	80	81	79	....	80.2
	Minimum	57	57	58	63	65	68	48	54	56	56	55	60	68	62	61	64	56	56	63	52	42	41	49	55	56	59	51	52	61	54	....	56.6
Hammonton	Maximum	77	80	86	92	87	88	88	75	89	83	81	88	91	85	89	83	81	79	90	87	72	76	75	87	78	75	82	81	85	80	....	83.0
	Minimum	56	55	57	64	68	66	55	55	61	58	57	61	69	64	64	69	56	59	65	56	42	41	53	62	59	60	54	53	63	54	....	58.5
Hightstown	Maximum	76	79	84	90	83	84	86	76	88	72	77	89	90	82	87	81	80	73	89	79	71	74	76	66	77	71	80	81	81	78	....	80.0
	Minimum	58	58	56	62	65	66	52	58	60	58	56	63	69	62	62	65	55	57	64	52	43	42	47	56	56	60	51	50	62	54	....	57.3
Indian Mills	Maximum	78	80	86	93	87	88	90	75	88	77	81	89	93	86	89	85	81	77	90	77	71	75	75	87	78	76	82	85	83	79	....	82.7
	Minimum	56	52	53	62	66	67	50	57	61	57	57	62	69	61	63	69	55	58	65	56	38	37	53	60	58	60	54	53	63	54	....	57.5
Jersey City	Maximum	74	81	87	92	89	88	84	80	84	73	73	81	92	89	85	81	76	74	90	70	68	71	76	64	70	72	79	78	80	78	....	79.3
	Minimum	57	57	65	67	73	72	63	57	63	57	55	63	69	66	65	64	63	62	66	55	51	50	54	55	56	57	54	60	63	57	....	60.5
Lakewood	Maximum	72	83	87	93	87	86	83	75	90	72	76	83	91	87	87	82	77	72	89	80	69	72	75	68	73	76	82	80	83	79	....	80.3
	Minimum	58	54	56	63	67	67	52	56	61	56	57	60	68	63	62	67	53	56	64	56	42	40	50	62	58	60	50	49	62	52	....	57.4
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Layton (near)	Maximum	75	74	85	88	89	82	84	79	85	71	75	85	90	81	85	78	77	66	87	69	68	70	75	61	73	71	76	76	78	73	....	77.5
	Minimum	58	53	51	52	58	60	46	59	60	57	56	66	67	57	57	55	49	57	65	41	40	32	40	53	56	52	44	41	63	51	....	53.2
Little Falls§§	Maximum	75	80	81	92	90	86	88	80	88	61	74	85	91	82	86	82	78	76	88	70	71	73	77	61	73	71	79	78	82	76	....	79.1
	Minimum	56	57	54	60	63	66	53	57	60	56	55	57	65	60	60	62	57	56	63	52	42	40	45	54	53	55	52	47	64	55	....	55.9
Long Branch*	Maximum	64	79	87	90	87	86	79	74	79	63	68	76	92	75	88	78	73	70	91	69	68	74	76	64	66	73	80	75	81	78	....	76.8
	Minimum	57	58	59	65	67	63	57	60	62	56	56	58	68	64	64	64	58	58	66	52	45	45	51	57	57	58	52	53	63	56	....	58.3
Long Valley§§	Maximum	75	78	85	90	....	86	85	79	82	62	75	87	89	81	84	80	80	70	86	68	68	70	72	57	75	70	77	78	79	75	....	77.3[a]
	Minimum	56	55	51	57	58	....	52	55	57	56	57	58	62	55	60	59	52	55	59	45	37	38	40	53	53	55	46	43	55	49	....	52.7[a]
Moorestown	Maximum	78	78	84	89	84	84	84	73	85	71	78	86	90	83	88	81	79	76	87	70	69	70	73	76	74	75	81	84	82	78	....	79.7
	Minimum	55	58	59	64	68	60	54	56	61	54	57	64	70	64	65	64	58	60	55	52	47	43	56	59	60	61	54	52	63	57	....	58.3
Newark‡	Maximum	72	82	86	92	89	85	87	77	84	68	73	82	92	81	87	81	76	72	89	70	68	72	77	58	71	72	80	78	82	78	....	78.7
	Minimum	57	56	59	63	67	63	60	59	62	56	55	62	66	63	63	64	61	59	65	53	46	48	51	55	55	56	52	54	61	55	....	58.2
New Brunswick	Maximum	71	78	83	90	90	84	89	83	86	71	74	83	90	88	85	81	77	70	88	78	68	72	74	67	73	72	78	80	83	80	....	79.5
	Minimum	57	56	56	62	62	68	53	56	60	56	55	61	69	64	62	66	56	56	65	55	45	43	48	55	55	57	51	51	64	55	....	57.3
Newton	Maximum	73	73	85	88	80	79	81	78	82	70	69	78	76	78	78	76	78	70	73	73	65	71	71	65	69	68	70	78	75	70	....	74.7
	Minimum	50	53	53	58	50	65	49	55	55	55	53	65	68	57	66	55	51	56	61	46	42	37	43	50	52	55	47	45	61	51	....	53.5
N. Merchantville*	Maximum	80	82	85	92	85	87	87	76	89	69	80	91	93	87	89	83	81	77	90	72	72	75	75	79	78	79	84	85	84	80	....	82.2
	Minimum	56	59	58	65	69	67	60	58	63	58	58	64	72	68	67	69	60	60	68	57	50	49	57	59	58	62	56	56	63	58	....	60.8
Paterson§§	Maximum	76	81	87	92	90	86	88	79	87	62	75	84	91	83	86	83	77	74	89	70	70	74	75	58	74	70	80	79	81	76	....	79.2
	Minimum	56	57	58	65	65	68	60	58	61	58	56	57	65	65	63	63	60	59	62	54	45	44	48	54	55	56	52	50	58	54	....	57.5
Pemberton	Maximum	78	79	88	92	90	85	88	86	89	77	81	89	92	91	89	85	79	77	89	88	74	76	76	80	76	75	82	84	84	82	....	83.4
	Minimum	56	56	55	62	65	66	53	57	61	58	57	63	69	63	63	69	55	59	65	56	44	42	53	59	58	61	52	52	64	55	....	58.3
Phillipsburg	Maximum	73	80	86	91	88	87	89	81	89	68	73	81	92	84	83	82	80	71	90	84	72	76	74	66	76	72	80	76	80	78	....	80.1
	Minimum	54	56	54	59	61	64	54	60	60	59	58	64	67	61	67	64	55	60	66	59	45	43	47	56	55	59	51	48	64	55	....	57.2
Plainfield	Maximum	74	80	86	92	88	86	86	80	88	66	76	84	92	84	88	82	80	73	90	70	70	71	76	63	73	72	79	80	82	79	....	79.7
	Minimum	59	57	57	61	65	67	57	58	60	58	57	61	67	63	64	65	58	57	64	54	45	44	48	55	56	59	50	50	67	55	....	57.9
Pleasantville§§	Maximum	65	83	88	92	87	90	78	73	79	64	72	78	92	81	91	83	77	76	93	74	73	70	77	91	81	77	85	82	83	82	....	80.6
	Minimum	54	51	54	62	65	66	53	59	61	59	57	59	65	62	65	69	55	63	65	57	42	40	56	63	59	60	52	53	69	53	....	58.3
Ridgefield*	Maximum	75	80	85	91	88	84	86	77	85	68	72	84	90	79	86	81	76	71	89	69	68	71	74	59	70	71	78	77	81	75	....	78.0
	Minimum	59	58	58	65	66	65	57	60	62	57	55	61	70	62	64	63	61	59	65	53	45	43	59	55	55	58	62	52	62	54	....	58.8
Runyon	Maximum	74	80	86	88	84	89	91	89	88	75	74	89	92	89	86	86	81	72	89	72	71	70	78	76	81	72	82	80	82	81	....	81.6
	Minimum	49	52	50	59	60	59	50	50	59	52	52	56	68	72	61	65	63	59	68	49	32	40	42	56	60	60	58	44	64	60	....	55.6
Sandy Hook*	Maximum	62	77	82	89	85	82	80	71	75	62	67	75	86	76	83	77	71	70	85	69	68	70	73	61	65	71	76	73	78	75	....	74.5
	Minimum	57	59	62	66	66	65	61	62	61	57	56	59	68	66	66	65	62	61	65	58	52	56	58	56	57	58	57	60	64	60	....	60.7
Somerville (near)	Maximum	74	77	84	90	85	84	84	77	88	68	74	85	88	82	86	81	78	70	87	71	70	72	75	64	73	70	77	77	75	75	....	78.0
	Minimum	57	55	57	63	65	66	54	56	59	56	55	61	70	60	62	62	54	58	64	49	42	44	49	54	55	56	50	50	65	52	....	56.7
Sussex	Maximum	75	75	88	89	86	85	86	81	84	74	78	86	91	83	85	82	79	75	88	84	69	72	77	67	74	71	78	77	79	74	....	79.7
	Minimum	58	56	50	56	60	63	49	57	60	57	56	65	70	58	62	56	53	57	65	47	42	35	44	53	55	57	45	43	65	52	....	54.9
Trenton*	Maximum	77	79	85	92	84	85	86	75	87	70	78	87	91	84	88	80	77	73	87	69	68	73	73	65	75	72	80	82	81	77	....	79.3
	Minimum	58	57	60	65	68	69	61	59	63	57	56	64	70	66	66	66	60	61	66	54	49	49	56	58	57	57	54	57	63	57	....	60.1
Trenton No. 2*	Maximum	78	81	87	92	85	85	88	77	90	69	77	88	92	86	89	82	81	74	90	70	68	74	75	66	77	74	82	82	82	79	....	80.7
	Minimum	56	59	58	63	68	68	57	59	63	58	57	64	70	63	65	67	57	60	66	53	45	45	53	57	57	60	53	52	64	55	....	59.1
Tuckerton	Maximum	70	81	86	92	83	88	85	70	80	70	75	79	92	81	88	80	75	71	90	71	72	70	77	80	73	75	77	78	80	80	....	79.0
	Minimum	55	56	58	62	68	67	52	60	67	56	57	60	67	57	65	68	57	58	65	56	51	53	57	62	58	58	57	58	63	55	....	59.4
New York, N. Y.*	Maximum	69	76	84	91	86	84	86	74	84	66	71	81	89	78	83	78	75	71	86	68	67	72	74	60	71	69	78	75	79	74	....	76.6
	Minimum	57	57	63	66	72	68	59	59	63	56	55	62	70	64	65	64	62	62	65	55	50	52	56	55	56	57	54	60	63	57	....	60.1
Philadelphia, Pa.*	Maximum	78	78	85	91	84	88	86	73	85	69	77	86	91	84	86	83	79	75	87	72	71	72	73	78	75	75	81	84	82	78	....	80.2
	Minimum	57	60	63	67	70	71	63	60	64	59	59	65	71	69	68	66	64	59	69	59	51	55	60	60	59	60	59	64	65	68	....	62.5

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

NJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLV. JULY, 1940. No. 7.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

July began cool; temperatures as low as 40° or 41° were registered at several stations on the 2d. The first 18 days of the month were comparatively cool for the season. Temperature was almost continuously below normal, averaging about 3.5° below, for the period. The only days during that time with readings above 85° at Trenton were the 10th and 11th. Hot weather began on the 19th, however, and continued until the close of the month, the period averaging about 6.5° above normal. This was the most extended and severe heat wave in New Jersey since July, 1936. Thirteen stations recorded temperatures of 100° or higher during the period, mostly on the 27th. The relative humidity was also high, rendering the weather very oppressive.

Rainfall was 58 percent of normal for the month, over the State, this being the second consecutive month with deficient rainfall. Good rains fell on the 3d-4th and 11-13th. During the remainder of the month, rain was mostly in the form of local thundershowers and unevenly distributed over the State. Some localities received good rains on the 27th. The only sections which received normal rainfall were the southeast coastal area and part of Warren County. By the close of the month, rain was greatly needed in most parts of the State. Pastures, meadows, truck crops and berries were suffering. The main potato crop was quite well matured, however, before the advent of dry weather.

Wind and electrical storms did damage in some localities on the 11th. A man was killed by lightning in Camden County on the 28th, on which date wind and lightning caused considerable property damage in that county.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 73.9°, which was 0.1° above normal. The highest temperature was 104° at Hammonton on the 27th, and the lowest, 40°, at Charlotteburg and Runyon on the 3d, 4th and 14th. The greatest daily range of temperature was 46° at Canoe Brook on the 15th. The highest monthly mean temperature was 76.8° at North Merchantville, and the lowest, 70.8° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 53 stations, was 2.73 inches, which was 1.96 inches below normal. The greatest monthly precipitation was 4.89 inches, at Atlantic City, and the least, 0.79 inch at Clayton. The greatest amount of precipitation in any 24 consecutive hours was 3.59 inches at Atlantic City on the 3d-4th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +1.22 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 4, 5. 9, 11, 12, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31.
DENSE FOG: 3, 17, 18, 19, 23, 24, 25, 26, 29.
HAIL: 5, 25.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.05	30.36	6	29.79	31	12.8	35	n.	4	80	69	79	67
Long Branch	30.04	30.40	6	29.77	11	10.4	38	n.	26	82	51	62	70
Ridgefield	30.03	30.35	6	29.77	31	...	....	.....	....	....	....	....	....
Sandy Hook	30.04	30.36	6	29 80	11	9.8	45	nw.	27	84	61	77	72
Trenton	30.04	30.36	6	29.77	11	7.3	27	w.	30	79	49	59	79

COMPARATIVE DATA FOR JULY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	**70.1**	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	**11.42**	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	**77.3**	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	**1.36**	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	**33**	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	**110**	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
1938	74.7	98	43	8.84	0	16	11	10	10
1939	73.4	98	88	2.83	0	8	14	10	7
1940	73.9	104	40	2.73	0	9	15	9	7
Period	73.8	110	33	4.69	0	10	14	10	7

Climatological Data for July, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	73.4	+1.3	98	21	56	14	22	4.89	+0.96	3.58	0	10	10	13	8	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	71.4	......	94	20†	52	1	30	4.12	+0.19	2.39	0	7	....	....	....	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	73.8	+0.1	98	26†	45	2†	35	3.85	−0.46	1.96	0	6	22	4	5	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	74.2	+0.5	99	26	47	2	36	4.60	+0.06	0.96	0	14	16	8	7	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	72.0	−0.2	96	26†	47	3†	33	2.40	−2.24	1.16	......	8	19	1	11	sw.	John Kline.
Bridgeton	Cumberland	30	57	76.7	+0.2	101	27	51	2†	33	2.09	−2.36	0.73	0	7	21	6	4	sw.	Bennett K. Matlack
Burlington	Burlington	12	§54	76.6	+0.7	100	27	50	2†	36	2.88	−2.06	1.35	0	12	17	4	10	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Central Airport, Inc
Canoe Brook‡‡	Essex	180	10	71.6	−0.5	96	26	41	15	46	4.39	+0.61	2.60	......	7	20	4	7	w.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	72.4	−1.0	92	21	53	14	21	3.98	+0.20	3.09	0	5	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	71.2	+0.8	96	26	40	14	41	3.48	−1.10	1.57	0	7	6	13	12	s.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	....	4.34	−0.60	1.98	......	8	12	16	3	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	75.0	−0.2	100	27	49	7†	35	0.79	−3.77	0.26	0	4	16	4	11	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	2.32	−2.46	1.88	0	4	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	71.3	−0.3	94	26	46	2†	33	3.59	−1.62	1.12	0	8	5	14	12	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	....	2.44	−2.55	1.45	0	8	18	4	9	......	Chas. E. Hall.
Elizabeth	Union	34	61	74.8	−0.5	103	19	46	2	41	2.77	−1.95	0.99	0	8	17	8	6	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	75.6	+0.7	101	26	48	2	35	2.07	−2.78	0.70	0	11	22	4	5	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	73.8	......	99	27	48	2	31	3.00	−1.75	0.98	0	12	22	4	5	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	75.6	......	104	27	48	14	36	1 74	−2.80	0.90	0	9	21	4	6	w.	J. G. Wilson.
Hightstown	Mercer	110	47	74.6	+0.4	100	27	49	2†	34	1.74	−3.18	0.62	0	9	17	10	4	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	74.8	+0.2	101	28	47	14†	36	1.83	−2.92	0.68	0	8	13	13	5	sw.	Edward Entwistle.
Jersey City	Hudson	81	42	76.1	+0.2	99	26†	56	3	27	3.45	−0.90	1.49	0	9	12	10	9	sw.	Jersey Journal.
Lakewood	Ocean	54	36	74.4	+0.9	100	27	48	14	35	2.00	−3.00	1.38	0	6	13	10	8	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	74.2	+0.1	98	27	52	3†	29	1.36	−3.28	0.52	0	13	20	7	4	nw.	Wm. J. Landerdale.
Layton (near)‡‡	Sussex	480	39	70.8	−0.4	97	26	41	2	38	1.81	−2.59	0.68	0	8	10	11	10	w.	A. M. Depue.
Little Falls	Passaic	157	37	73.2	−0.8	97	26†	48	2†	35	2.54	−2.18	0.98	0	11	12	14	5	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	73.9	+1.0	98	26†	52	2	28	2.44	−3.41	1.60	0	8	11	13	7	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	71.3^{a}	......	97	28	42	14	39	3.99	.. ..	1.04	0	11	17	9	5	sw.	R. H. Johnson.
Moorestown	Burlington	62	77	74.8	0.0	97	26†	50	2†	31	1.66	−3.04	0.49	0	9	15	10	6	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	74.3	−0.4	99	26	53	2	28	2.63	−2.32	1.33	0	8	4	15	12	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	74.4	+0.3	97	26	51	2†	31	2.00	−3.23	0.83	0	8	12	12	7	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	2.09	−2.44	0.83	......	8	. .	....	....	......	Hackensack Water Co
Newton	Sussex	769	57	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Irving J. Kern.
N. Merchantville	Camden	63	6	76.8	......	100	28	54	14†	30	1.30	......	0.41	0	10	15	10	6	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	3.76	......	1.79	......	9	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	69	74.8	+0.2	98	26	51	3†	31	2.00	−2.30	0.63	0	10	22	5	4	w.	J. W. Cook.
Pemberton	Burlington	55	10	75.4	−0.5	101	27	50	2†	35	1.69	−1.81	0.55	0	8	19	7	5	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	71.8	−2.2	97	26	48	2	33	4.15	--0.33	1.02	0	12	11	11	9	......	Town Engineer.
Plainfield	Union	120	52	74.4	+0 5	100	26	50	2†	32	3.57	−1.98	1.50	0	9	9	16	6	sw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	73.6	+0.3	98	26	45	14	35	4.72	+0.66	2.87	......	13	20	5	6	s.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	....	1.73	......	0.64	0	6	14	10	7	....	Norman C. Wittmer.
Ridgefield	Bergen	80	23	74.0	+0.3	97	30	52	2†	30	2.81	−2.01	0.85	0	8	8	18	5	s.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	72.2	−0.8	100	27	40	3†	42	1.91	−2.86	0.87	......	7	18	12	1	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	73.2	−0.3	94	26	56	3	22	4.10	−1.02	1.39	0	11	11	11	9	sw.	U. S. Weather Bureau.
Somerville (near)	Somerset	385	57	73.5	−0.5	96	26	49	2	30	3 06	−2.18	0.81	0	12	19	6	6	w.	Richard H. Rogers.
Sussex	Sussex	450	45	72.6	+0.3	98	26	45	2†	37	3.47	−0.35	1.95	0	10	24	3	4	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	2.20	−3.35	1.33	0	6	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	68	75.6	+1.1	98	27	54	2	26	1.14	−2.80	0.51	0	8	5	12	14	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	10	75.6	....	99	28	52	2	29	1.27	......	0.57	0	7	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	74.2	0.0	100	26	48	14	30	2.77	−1.21	1.66	0	6	23	0	8	sw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	1.69	−2.84	0.64	0	9	....	....	....	......	Edward H. Ladd.
Westfield	Union	......	....	......	......	......	......	......	......	....	2.92	......	1.04	0	8	26	0	5	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	2.47	−1.46	0.51	......	8	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	2.59	......	1.18	......	8	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	70	74.6	+0.8	99	27	57	1	27	2.50	−1.74	0.95	0	11	9	13	9	sw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	69	77.2	+1.0	99	28	58	4	24	1.82	−2.33	0.55	0	11	11	12	8	sw.	U. S. Weather Bureau.
For the State	......	......	....	73.9	+0.1	104	27	40	3†	46	2.73	−1.96	3.58	0	9	15	9	7	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-28-40-925

Daily Precipitation for July, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.11		3.28	.30					.02		.30	.12	.49			T.	T.			.04		.22	T.	.01	T.			T.				4.89
Barnegat City[4]	Coast			2.39	.19							.52	.70	.25			.05				.02				T.								4.12
Belleplain	Tuckahoe	.25		T.	1.96								.86	.41			.25	.12															3.85
Belvidere	Delaware	.05	T.	.29	.30					.05		.10	.30										.08	.02	.02	.84	.70	.96		.55	.34		4.60
Boonton[3]	Passaic	.07			.51								1.16	.18			T.	.02										.20	.21		T.	.05	2.40
Bridgeton	Delaware	.15		T.	.49								.19	.30				.12						.73	.11								2.09
Burlington	....do	.12		.05	.27								.36	.04				1.35					.40		.01	.04			.08	T.	.08	.08	2.88
Camden[4]	Delaware																																
Canoe Brook[3]	Passaic				.77								2.49	.11			.43											.23	.32			.04	4.39
Cape May[4]	Coast			3.00	.09					T.			.52	.33			.04		T.				T.	T.									3.98
Charlotteburg	Passaic				.32	.14							1.57															.06	.79		.03	.57	3.48
Chatham[3]	...do	.07			.70								1.98	.52			.34	T.								T.	T.	.27	.39		T.	.07	4.34
Clayton	Delaware	.08			.25									.26										.20									0.79
Culvers Lake	...do	.02			.43								1.38														T.	T.			.49		2.32
Dover	Passaic			.10	.43							1.12	.22				.05										.54	1.10			.03		3.59
Egg Harbor City[2]	Mullica	.08		1.45	.21							T.	.10	.21			.02						.36			.01							2.44
Elizabeth	Coast	.01	T.	T.	.75								.80	.01			.01									T.	T.	.18	.99		.02		2.77
Flemington	Raritan	.06		.14	.56						T.	T.	.51	T.			.11	.02					T.	T.		.08	.16	.38	.02			.03	2.07
Freehold	...do	.04		.06	.90								.98	.02			.02					.06		.42			.02	.02	.44			.02	3.00
Hammonton	Mullica	.06		T.	.90					T.		.09	.16	.26			.18	.03			T.		T.			T.	.04			.02			1.74
Hightstown	Raritan	.06		.06	.52	T.					T.		.62	.01			T.	T.				T.	T.	T.	.01	.12	T.		.30		T.	.04	1.74
Indian Mills	Mullica	.10		.05	.32					T.			.49	.16				T.					.68	T.	T.	.01			.02	T.	T.		1.83
Jersey City	Coast			.68	.05						T.		1.49	.12								.05		.01		T.	.96		.04		.05		3.45
Lakewood	Metedeconk	.13		T.	1.38								.30	.10										.04					.05				2.00
Lambertville(nr.)	Delaware			.10	.42								.35	.02			.05	.03				T.				04	.08	.02	.09	.09	.05	.02	1.36
Layton(near)	...do				.44					.07		.68	.43	T.											.02	.05	.09	.03					1.81
Little Falls[5]	Passaic	.09		.01	.60	.03							.86	.12			.07	.01										.44	.15			.16	2.54
Long Branch[2]‡	Coast	T.		1.15	.45							.42	.15	.02							T.	T.	.01			T.	.11	T.			.13		2.44
Long Valley[3]	Raritan	.17			.41	.23						.06	.54	.18													.58	1.04	.47		.30	.01	3.99
Moorestown[3]	Delaware	.18			.28								.28	.08					.15					.08		.02	.49					.10	1.66
Newark[4]	Coast		T.	.62	.09	T.						1.33	.17	T.			.02	T			T.	T.			T.		.36	.02			.02		2.63
New Brunswick	Raritan	.08		T.	.83								.61	.03			T.	T.					T.	T.		.02	.12	.04	T.			.27	2.00
New Milford[2]‡	Hackensack			.44	.22	.04						.83	.19				.15										.03				.19		2.09
Newton	Delaware																																
N. Merchantville[2]‡	Delaware	T.		.17	.15							.41	.04	03				.15					.15	T.	.04	T.			T.		.06		1.30
Orange[2]‡	Rahway			.46	.19							1.64	.15				.69				.01						.34	.04			.24		3.76
Paterson[3]	Passaic		.08	.34	.23	.12						.44	.19				.12	T.									.05	.01			.42		2.00
Pemberton	Delaware	.18			.32								.55	.08							T		.04			.01				.46		.05	1.69
Phillipsburg	...do	.04	T.	.30	.14					.03		.37	.19				T.	T.			T.	T.		.04	.16	1.02	.34	.83			.69		4.15
Plainfield	Raritan			.28	.58	.08							.59	T.			.04	T.			T.	T			.01		40	1.50			.09		3.57
Pleasantville[3]	Coast	.10	.02		2.85	.02					.01		.16	.83	.04		.01					.14		.10	.03					.41			4.72
Rahway[3]‡	Rahway				.64								.40													.07		.35	.07			.20	1.73
Ridgefield[2]	Hackensack		.01		.68							.15	.85				.39				T.			T.		.01	.18	T.			.54		2.81
Runyon	Coast	.07			.81								.87				.02	.02											.05			.07	1.91
Sandy Hook[1]‡	Coast	.01		.74	.29							.70	.18	.01			T.	.01			.09	T	T.		T.	T.	1.39	.37			.31		4.10
Somerville(near)	Raritan	.06		.11	.48							.04	.47				.44	T.				.21	T.			.11	.25	.06	.81		.02		3.06
Sussex	Hudson	.02		.03	.40	.33				T.		.56	1.39				.01								T.		.18	.02			.53		3.47
Toms River	Coast			.01	1.33							.03	.64	.17										.02									2.20
Trenton[1]‡	Delaware			.40	.11					T.	T	.29	.16	T.				.06				T.		T.	.03	T.	T.	.01			.08		1.14
Trenton No. 2[2]	Delaware			.43	.14					T.		.38	.16	T.				.11				T.			.04	T.		T.			.01		1.27
Tuckerton	Coast			.04	1.66								.52	.51										.02			.02						2.77
Vineland[3]	Maurice	13	T.	.64	T.								T.	.29				.29						.05	.02	.16	.01			.10			1.69
Westfield[3]‡	Rahway	.02			.80		.03						.46	.10			T.											.42	1.04			.05	2.92
Woodcliff Lake[2]‡	Hackensack			.33	.26	.06						.35	.46				.05										.45				.51		2.47
Woodstown	Delaware	.09			.08								.02	.16				1.18						.78	.02	.26							2.59
New York, N. Y[1]‡	Coast	T.	T.	.49	.43	.03					T.	.66	.29	.02			T.				T.	T.	.11			.01	.41	.02			.03		2.50
Phila., Pa[1]‡	Delaware			.26	.11							.27	.02	.01				.55					.24	.01	.21	.13	T.	T.			.01		1.82

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.192	096	.178	.080	.176	.224	.160	.224	.128	.208	.186	.014	.320	.128	.254	.272	.064	.128	.256	.288	.192	.256	.160	.000	.160	.184	.192	.160	.160	.264	.160	5.414
	Wind movement	9	2	5	1	4	2	2	3	2	3	5	2	1	3	4	2	2	3	3	1	4	5	1	5	1	5	3	2	7	4	7	103
Pleasantville[3]	Evaporation	.260	.240	**	.052	.256	.224	.256	.240	.282	.256	.272	.046	.168	.240	.314	.144	.144	.288	.224	.268	.320	.212	.174	.128	.112	.320	.256	.282	.272	.256	.448	7.186
	Wind movement	48	33	85	15	49	33	44	67	50	15	85	60	29	29	89	61	29	31	49	9	48	31	19	40	51	46	37	21	35	50	51	1339
Runyon	Evaporation	.250	.180	.140	.030	.210	.220	.240	.240	.240	.240	.240	.070	.120	.210	.210	.140	.140	.210	.210	.180	.210	.240	.160	.160	.120	.240	.210	.230	.240	.270	.250	6.050
	Wind movement	23	15	15	21	12	13	32	19	26	24	26	29	25	31	26	22	22	16	18	15	22	10	11	11	25	26	17	28	20	16	18	634

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for July, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	77	73	72	70	80	72	73	75	74	84	84	74	67	75	72	73	77	74	82	94	98	94	79	81	82	87	87	87	86	85	94	80.1
	Minimum	61	57	58	58	60	60	59	65	65	67	68	61	58	56	60	66	66	65	66	73	76	75	72	72	72	74	76	76	76	76	76	66.8
Barnegat City‡	Maximum	75	72	70	68	74	73	72	74	76	84	84	71	68	78	72	73	75	74	88	94	94	89	80	82	88	89	92	86	85	88	92	80.0
	Minimum	52	57	56	58	58	60	55	62	64	63	65	57	53	58	55	56	62	63	66	64	66	71	64	62	71	68	72	75	70	75	72	62.9
Belleplain	Maximum	79	79	78	70	79	79	81	80	80	88	91	88	81	77	77	84	82	82	88	95	96	96	93	84	90	98	98	96	95	92	92	86.1
	Minimum	57	45	51	56	51	51	46	55	60	63	68	63	55	45	46	59	64	63	63	70	71	68	67	71	69	77	71	72	70	70	72	61.6
Belvidere	Maximum	77	78	78	73	80	84	86	88	87	93	92	70	80	83	85	88	81	90	94	95	94	95	86	89	96	99	98	95	95	96	89	87.5
	Minimum	52	47	49	55	50	48	51	56	60	62	65	58	55	49	50	59	59	65	64	70	68	69	68	71	70	68	68	70	70	71	68	60.8
Boonton§§	Maximum	73	74	76	76	78	81	84	85	84	89	89	61	75	80	79	81	73	87	90	89	89	92	78	82	90	96	96	94	91	93	85	83.5
	Minimum	56	48	47	51	51	48	54	58	58	61	62	60	57	47	51	55	60	62	64	66	70	71	65	69	70	69	66	69	69	72	73	60.6
Bridgeton	Maximum	76	81	79	71	81	83	85	86	85	93	97	88	75	84	82	88	89	92	95	98	99	98	93	86	92	99	101	100	99	98	95	89.3
	Minimum	58	51	55	57	56	55	53	57	62	64	69	61	57	51	52	63	66	64	67	71	71	73	70	72	72	73	74	75	73	73	72	64.1
Burlington	Maximum	77	79	80	74	84	84	86	87	95	94	96	92	88	84	85	88	85	88	95	97	97	96	82	81	95	99	100	99	97	97	92	89.5
	Minimum	60	50	54	57	58	55	52	57	59	69	69	60	59	50	51	58	67	65	66	71	72	71	70	70	71	70	73	74	72	74	74	63.8
Canoe Brook§§	Maximum	75	75	76	73	79	81	83	85	91	89	91	62	75	84	87	90	77	88	94	89	94	92	84	82	90	96	90	92	89	95	86	85.0
	Minimum	51	42	54	55	49	42	46	52	55	70	60	60	56	46	41	53	61	59	59	64	63	61	64	69	69	66	64	66	68	72	64	58.1
Cape May.‡	Maximum	73	76	71	67	76	76	75	79	74	83	82	84	69	73	71	74	75	76	84	91	92	90	86	80	79	84	89	90	87	85	91	80.1
	Minimum	58	56	60	57	56	56	58	62	63	65	70	63	56	53	55	55	66	68	63	70	75	73	70	73	72	72	73	73	72	72	74	64.8
Charlotteburg	Maximum	71	72	74	74	78	79	84	85	86	87	89	87	79	80	80	82	83	86	90	89	87	91	95	84	94	96	95	94	90	93	93	85.4
	Minimum	52	41	54	53	45	49	43	56	56	58	55	49	53	40	48	52	55	63	58	64	63	62	67	61	68	67	67	65	69	69	65	57.0
Clayton	Maximum	76	79	78	71	80	82	84	85	85	92	95	89	73	82	82	86	85	88	93	98	98	96	84	87	91	99	100	99	98	96	94	87.9
	Minimum	57	58	56	55	55	54	49	52	57	63	65	60	56	49	49	54	64	62	64	68	70	71	67	70	71	71	71	72	69	71	71	62.0
Dover	Maximum	72	72	73	71	77	79	83	83	83	87	88	75	72	77	79	79	72	83	89	85	87	90	78	80	90	94	91	89	88	91	84	82.0
	Minimum	53	46	46	55	50	49	50	57	63	62	63	57	55	46	51	57	59	64	65	65	68	71	68	70	70	71	69	69	69	73	68	60.6
Elizabeth	Maximum	80	82	79	76	87	81	89	91	91	94	95	82	80	86	88	89	78	88	103	95	94	98	82	84	93	102	101	96	92	101	91	89.3
	Minimum	53	46	49	56	50	48	51	54	56	62	65	58	56	49	49	54	64	61	62	68	67	71	66	71	70	67	66	69	70	72	69	60.3
Flemington	Maximum	77	79	77	75	80	85	87	89	89	92	95	88	76	85	85	87	80	89	95	93	95	93	86	88	97	101	99	98	98	99	92	88.7
	Minimum	57	48	51	56	54	52	53	56	59	63	68	59	58	50	50	58	65	63	67	72	70	73	69	72	69	68	70	71	74	74	70	62.5
Freehold	Maximum	73	75	75	71	82	79	85	85	85	91	93	85	74	80	82	85	78	85	93	92	91	92	83	83	90	98	99	96	90	95	92	85.7
	Minimum	57	48	49	55	55	54	55	57	57	64	67	58	56	52	51	58	64	64	64	70	72	70	64	69	68	70	71	70	70	72	70	62.0
Hammonton	Maximum	77	80	79	71	81	82	85	86	86	92	95	89	73	82	83	88	85	87	94	97	99	97	85	87	96	101	104	101	98	100	95	88.9
	Minimum	58	49	51	56	54	54	49	56	58	65	71	61	57	48	51	58	65	63	65	71	71	71	68	69	70	71	71	71	70	73	70	62.4
Hightstown	Maximum	75	80	77	73	82	81	86	87	89	92	95	84	73	83	84	87	75	84	94	95	95	94	80	86	92	98	100	95	93	96	89	86.9
	Minimum	57	49	50	55	53	50	52	57	59	64	68	58	57	49	51	60	64	63	65	70	70	73	69	70	70	70	70	70	72	73	69	62.2
Indian Mills	Maximum	75	80	79	72	81	84	85	86	86	92	95	82	74	80	82	86	83	88	93	97	96	98	84	85	94	98	100	101	94	96	92	87.7
	Minimum	58	49	51	56	54	54	49	56	56	65	67	59	57	47	47	58	66	62	63	71	71	71	69	71	70	71	69	71	69	72	69	61.9
Jersey City	Maximum	74	77	77	74	80	80	85	86	88	91	93	77	77	81	80	83	79	85	93	92	91	93	81	82	86	99	96	93	89	99	88	85.5
	Minimum	59	58	56	59	57	57	63	65	65	66	71	60	58	57	67	62	67	66	69	77	73	75	70	72	71	72	72	72	76	77	75	66.7
Lakewood	Maximum	76	79	77	70	80	80	85	87	86	90	93	83	73	81	83	84	80	83	93	94	94	92	82	82	90	98	100	94	91	99	93	86.2
	Minimum	58	49	50	56	53	50	50	57	60	64	69	60	57	48	51	57	64	63	64	72	71	72	71	70	68	72	71	71	75	73	71	62.5
Lambertville (near)	Maximum	78	80	77	76	79	80	83	85	85	88	93	73	76	80	81	84	78	85	92	93	96	93	84	80	93	97	98	96	97	97	88	86.0
	Minimum	54	57	52	53	53	53	56	59	60	60	64	52	60	62	54	56	62	63	65	73	72	69	69	67	69	70	71	71	70	72	70	62.5
Layton(near)	Maximum	72	73	75	74	76	81	82	84	83	88	89	69	76	78	80	82	81	86	91	86	88	92	83	84	93	97	95	93	91	93	84	83.8
	Minimum	46	41	44	54	49	43	51	51	55	61	58	56	51	46	48	59	53	65	63	66	64	68	62	67	69	67	64	69	67	69	65	57.8
Little Falls§§	Maximum	75	75	77	75	81	83	85	86	87	91	92	64	80	81	83	83	75	87	93	90	91	94	80	83	91	97	96	95	92	97	87	85.4
	Minimum	52	48	49	56	50	48	52	58	60	63	62	59	56	49	52	56	63	62	64	69	68	70	67	69	71	68	67	70	70	74	69	61.0
Long Branch*	Maximum	75	76	74	72	80	78	82	83	86	90	91	72	71	78	78	80	75	80	93	92	92	90	78	81	86	98	92	87	85	98	89	83.3
	Minimum	58	52	54	58	56	54	55	59	63	68	70	59	59	54	54	62	66	66	65	74	74	70	69	71	70	74	72	74	74	75	70	64.5
Long Valley§§	Maximum	75	75	75	71	81	82	....	84	85	89	91	65	74	81	82	82	75	85	91	91	91	92	85	86	95	96	94	97	92	93	87	84.7[a]
	Minimum	50	45	43	47	45	47	46	....	52	61	60	64	55	42	45	49	58	62	61	63	63	68	66	69	71	68	67	68	68	69	66	57.9[b]
Moorestown	Maximum	74	76	77	71	79	80	83	84	86	91	94	69	74	80	82	84	82	85	92	95	96	95	82	86	92	97	97	96	95	95	90	85.8
	Minimum	59	50	58	56	55	52	52	58	60	66	69	60	56	50	52	59	67	65	67	73	74	74	70	70	70	71	73	72	71	73	72	63.7
Newark‡	Maximum	76	77	77	72	80	81	85	87	87	91	92	61	74	83	83	85	75	85	94	90	91	94	81	82	88	99	98	95	90	98	87	85.1
	Minimum	57	53	54	57	55	55	57	59	60	66	66	58	57	55	55	59	67	65	66	72	72	71	68	72	70	71	70	71	72	73	67	63.5
New Brunswick	Maximum	74	77	75	76	79	81	83	84	85	90	90	89	72	79	81	89	82	88	92	92	92	90	89	83	89	97	96	95	91	96	92	86.1
	Minimum	55	51	52	53	55	51	53	58	60	65	67	58	57	51	51	59	66	64	65	70	72	73	68	70	70	70	70	70	72	74	70	62.6
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
N. Merchantville*	Maximum	78	80	78	74	82	84	86	87	89	93	97	73	77	83	84	88	82	89	93	98	98	97	83	88	93	99	98	100	98	97	93	88.4
	Minimum	60	55	56	57	58	58	56	59	64	68	69	58	58	54	54	61	67	65	69	73	74	73	70	71	71	72	75	74	73	75	73	65.2
Paterson§§	Maximum	75	75	78	75	81	84	87	87	88	91	92	62	79	82	83	84	75	88	94	91	91	95	82	84	91	98	96	96	93	97	88	85.9
	Minimum	53	52	51	57	55	53	57	62	64	67	66	60	58	51	56	59	63	63	67	72	72	73	69	69	71	71	70	71	73	74	72	63.6
Pemberton	Maximum	76	79	78	72	81	82	85	86	87	92	96	92	73	83	85	86	84	87	93	97	98	95	83	86	95	99	101	100	95	96	92	88.2
	Minimum	59	50	51	57	55	51	51	55	59	65	68	60	57	50	50	58	66	64	64	71	70	73	69	71	70	70	73	71	70	73	70	62.6
Phillipsburg	Maximum	78	79	75	73	80	80	84	86	85	90	90	69	75	80	82	72	68	74	80	79	79	90	79	84	91	97	93	91	94	95	85	82.5
	Minimum	55	48	50	56	52	50	51	55	59	62	65	58	56	49	51	59	61	65	64	69	66	70	66	71	69	67	69	70	72	72	70	61.2
Plainfield	Maximum	76	78	77	71	80	82	85	88	88	91	93	74	74	82	84	85	76	86	94	91	93	94	80	84	91	100	99	94	90	99	88	86.0
	Minimum	54	50	50	56	53	51	54	57	61	65	67	60	57	51	52	58	66	64	66	71	69	74	70	71	71	70	69	69	73	75	72	62.8
Pleasantville§§	Maximum	78	82	75	73	82	78	80	83	83	91	91	83	73	79	77	78	81	82	90	97	98	97	83	81	87	98	94	95	91	93	93	85.4
	Minimum	58	47	48	56	53	51	47	56	57	63	68	67	56	45	48	63	65	64	61	71	69	67	67	71	69	72	71	71	70	71	71	61.7
Ridgefield*	Maximum	74	74	76	70	80	82	85	86	87	88	90	67	74	81	80	83	75	85	91	89	90	91	80	82	88	95	96	92	89	97	88	84.0
	Minimum	54	52	53	56	55	52	57	63	63	66	67	58	58	54	57	60	66	65	67	72	73	72	69	71	72	73	69	71	74	75	66	63.9
Runyon	Maximum	79	81	79	72	79	83	84	87	90	92	96	82	78	82	83	86	86	86	94	95	95	94	83	84	90	98	100	94	94	98	87	87.5
	Minimum	49	48	40	40	42	41	44	49	60	66	67	68	44	44	46	58	58	56	58	59	59	58	64	65	67	67	69	68	69	70	70	56.9
Sandy Hook*	Maximum	73	74	71	70	77	76	80	84	81	87	88	70	70	77	77	76	71	78	91	88	87	89	75	78	84	94	90	83	83	92	86	80.6
	Minimum	60	58	56	57	60	60	62	64	65	68	66	60	61	60	59	63	65	66	69	73	74	70	70	71	70	72	70	73	73	74	72	65.9
Somerville(near)	Maximum	74	78	75	72	78	82	82	85	87	88	91	78	75	81	83	84	77	86	93	90	90	91	79	85	90	96	95	94	91	95	85	84.8
	Minimum	53	49	52	52	54	52	54	58	61	63	65	56	55	56	56	58	64	63	68	71	69	71	67	70	68	69	70	70	70	73	70	62.2
Sussex	Maximum	74	75	77	74	82	82	85	86	86	90	92	70	77	81	82	86	82	88	93	90	90	94	93	85	94	98	94	94	93	94	85	86.0
	Minimum	51	45	45	55	49	45	50	55	58	61	60	55	53	45	49	58	59	64	65	68	68	71	65	67	72	69	66	68	67	69	65	59.3
Trenton*	Maximum	75	77	77	73	80	81	84	85	85	91	93	71	74	80	81	85	77	84	92	94	96	93	80	83	90	98	98	98	95	97	89	85.7
	Minimum	59	54	57	56	59	58	59	61	62	69	69	59	59	57	57	61	67	65	69	73	75	75	70	72	71	72	74	74	72	72	71	65.4
Trenton No. 2*	Maximum	76	79	78	74	81	84	84	87	87	92	95	73	77	82	83	86	80	86	94	95	96	94	81	86	92	99	99	99	96	98	91	87.2
	Minimum	58	52	53	56	57	55	55	58	61	66	70	59	58	53	54	60	67	64	67	72	72	76	70	71	71	71	72	72	71	74	72	64.1
Tuckerton	Maximum	78	77	74	70	80	78	80	80	83	91	91	80	75	78	78	81	80	82	92	97	98	94	80	82	87	100	97	94	89	94	94	85.0
	Minimum	62	52	57	57	56	52	53	58	60	65	70	60	58	48	50	63	65	67	63	70	70	70	66	70	71	73	70	72	72	75	73	63.5
New York, N. Y.*	Maximum	73	74	74	71	80	80	82	83	84	88	89	70	75	80	77	83	74	83	90	90	89	89	81	80	87	94	99	93	88	94	86	83.2
	Minimum	57	59	60	58	59	60	64	63	63	69	65	59	59	60	60	62	66	67	69	74	75	71	69	70	70	71	72	75	76	75	70	66.0
Philadelphia, Pa.*	Maximum	75	77	76	72	81	81	82	83	85	91	93	75	75	80	81	86	81	87	91	96	97	95	82	86	91	98	98	99	95	94	91	86.3
	Minimum	60	61	58	58	60	62	65	67	71	70	60	61	62	60	64	69	67	71	75	80	75	72	71	72	74	78	78	76	76	76	75	68.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLV. AUGUST, 1940. No. 8.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

The average temperature of 69.4° for this month is, with two exceptions, the lowest of record for August. It was cool most of the time. Warm periods were the 4-6th, 12-14th and 17-19th. The highest temperature at most stations occurred on the 6th with readings generally in the nineties. It was unusually cool from the 21st to 29th. Numerous stations recorded temperatures in the thirties on the 25th. The readings of 32° on that date at Layton and Charlotteburg are the lowest official readings of record for August in New Jersey. Frost occurred quite generally in Sussex County on the 25th, and the cooperative observer at Layton reported considerable damage to gardens and truck crops in that vicinity. It is noted that frost has occurred in Sussex County every month this year except July.

The average rainfall for the State, 5.96 inches, is 25 percent above normal. Many stations, however, had monthly totals of 8 to 9 inches. The belt of most rainfall extended across and comprised most of Ocean, Burlington, Camden and Gloucester Counties. Crops were beginning to suffer from lack of moisture in central and southern New Jersey when relieved by good rains on the 6-7th. Heavy rains also fell on the 13-14th, 17-19th and 26th-31st. The last week was almost continuously rainy and cold with clearing and warmer on the 31st. Maturing of corn and other crops was retarded by this cloudy and cold weather, the corn being considerably behind normal development. Potato digging and peach harvest were delayed. Pastures and meadows made rapid growth.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 69.4°, which was 2.6° below normal. The highest temperature was 95° at six stations on the 6th, and the lowest, 32°, at Charlotteburg and Layton on the 25th. The greatest daily range of temperature was 42° at Runyon on the 4th. The highest monthly mean temperature was 73.0° at Bridgeton, and the lowest, 65.4° at Charlotteburg.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 52 stations, was 5.96 inches, which was 1.21 inches above normal. The greatest monthly precipitation was 9.34 inches, at Toms River, and the least, 3.83 inches at Belleplain. The greatest amount of precipitation in any 24 consecutive hours was 5.00 inches at Toms River on the 28th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +2.43 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 6, 7, 13, 14, 19, 20, 23, 27, 28, 30, 31.
DENSE FOG: 5, 8, 11, 15, 19, 26, 27, 29, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.10	30.40	11	29.63	19	15.6	37	e.	28	82	71	78	54
Long Branch	30.10	30.45	11	29.65	19	9.3	31	e.	28	83	73	63	57
Ridgefield	30.11	30.41	11	29.62	19	....	....	....	....	....	....	....	....
Sandy Hook	30.12	30.41	11	29 64	19	12.4	32	nw.	6	83	68	77	65
Trenton	30.11	30.41	11	29.62	19	8.0	20	n.	23	85	59	72	67

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	......	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	......	......	......	......
1891	72.8	100	46	5.32	0	11	8	15	8
1892	73.4	99	46	3.63	0	13	8	11	12
1893	72.8	98	38	6.52	0	9	12	13	6
1894	70.9	97	44	2.58	0	8	14	11	6
1895	74.2	102	34	2.53	0	7	13	12	6
						7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71 2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	7
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	10.53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	75.2	100	45	6.82	0	14	14	7	10
1938	75.4	100	41	3.09	0	8	18	8	5
1939	75.3	98	50	7.03	0	11	11	9	11
1940	69.4	95	32	5.96	0	12	10	9	12
Period	72.0	108	32	4.75	0	10	13	10	8

Climatological Data for August, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	71.8	−0.7	82	19	55	25	18	4.18	−0.31	1.38	0	15	5	13	13	e.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	71.1	...	90	14	54	22	22	5.43	+1.10	2.19	0	14	...	...	...	...	U. S. Coast Guard.
Belleplain	Cape May	49	46	70.4	−2.0	91	6†	48	21†	38	3.83	−0.77	1.05	0	14	14	8	9	se.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	69.4	−1.9	94	6	41	25	33	6.40	+1.83	1.20	0	10	9	7	15	...	Miss C. S. Hixson.
Boonton	Morris	280	§50	67.2	−3.3	90	14	39	25	30	4.63	−0.06	1.51	...	11	14	1	16	ne.	John Kline.
Bridgeton	Cumberland	30	57	73.0	−1.7	95	6	52	22†	33	6.15	+1.48	2.88	0	12	15	5	11	se.	Bennett K. Matlack
Burlington	Burlington	12	§54	71.5	−2.8	95	6	48	25	40	8.42	+2.64	2.68	0	13	8	7	16	ne.	Public Service G. & E. Co.
Camden	Camden	20	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Central Airport, Inc
Canoe Brook ‡‡	Essex	180	10	66.0	−4.7	91	6	36	25	33	4.55	−0.24	0.92	...	13	17	6	8	n.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	65.4	−2.9	89	6	32	25	36	5.71	+1.21	2.14	0	12	7	10	14	s.	Newark Water Dept
Chatham	Morris	185	36	...	...	...	...	...	...	...	5.00	+0.35	0.98	...	13	6	13	12	...	Paul Molitor, Sr.
Clayton	Gloucester	120	27	70.6	−2.7	94	6	45	25	34	8.45	+3.63	2.02	0	11	7	2	22	e.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	...	...	...	...	...	...	...	5.60	+0.95	2.37	0	8	...	...	...	...	L. S. Depue.
Dover	Morris	600	56	66.2ᵃ	−3.1	87	6	39	25	27	6.27	+1.77	1.44	0	11	3	12	16	...	William C. Harris
Egg Harbor City	Atlantic	63	18	...	...	...	...	...	...	...	7.47	+3.14	1.78	0	13	18	3	10	...	Chas. E. Hall.
Elizabeth	Union	34	61	69.8	−3.6	95	6	39	25	36	4.78	+0.45	1.27	0	12	14	5	12	ne.	Union County Park Comn
Flemington	Hunterdon	140	§54	70.2	−2.6	95	6	42	25	33	5.01	+0.49	1.57	0	10	16	5	10	ne.	Hiram E. Deats
Freehold	Monmouth	194	§36	69.2	...	92	6	42	25	29	7.42	+2.79	1.54	0	13	18	5	8	e.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	71.0	...	95	6	49	22†	39	6.77	+1.89	1.55	0	13	14	5	12	se.	J. G. Wilson.
Hightstown	Mercer	110	47	68.8	−3.4	93	6	44	25	33	6.61	+1.59	2.12	0	12	11	12	8	se.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	69.4	−3.2	91	6	44	25	39	8.40	+2.87	2.31	0	11	6	16	9	e.	Edward Entwistle.
Jersey City	Hudson	81	42	71.2	−2.8	90	14	49	25	25	4.47	+0.14	1.23	0	11	6	11	14	s.	Jersey Journal.
Lakewood	Ocean	54	36	69.7	−1.8	93	6	45	25	37	6.71	+1.52	1.80	0	13	9	10	12	sw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm. J. Lauderdale.
Layton (near)‡‡	Sussex	480	39	66.2	−2.5	93	11	32	25	37	6.20	+2.11	2.28	0	10	11	6	14	e.	A. M. Depue.
Little Falls	Passaic	157	37	68.8	−3.3	93	6	40	25	30	5.25	+0.29	1.46	0	12	11	8	12	e.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	69.8	−1.7	85	5†	52	21	26	6.39	+0.91	1.70	0	13	9	10	12	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	66.4ᵇ	...	88	5	38	25	34	6.77	...	2.31	0	10	14	7	10	ne.	R. H. Johnson.
Moorestown	Burlington	62	77	70.0	−2.7	94	6	45	25	33	7.67	+2.30	2.04	0	12	4	14	13	ne.	Japanese Beetle Laboratory
Newark	Essex	10	41	70.0	−3.0	91	6	48	25	26	4.36	−0.19	1.06	0	13	1	16	14	...	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	69.7	−2.5	91	6	45	25	35	5.04	−0.36	1.44	0	12	6	13	12	se.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	...	...	...	...	...	...	...	4.75	+0.39	2.42	...	13	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	57	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Irving J. Kern.
N. Merchantville	Camden	63	6	71.6	...	95	6	49	25	32	7.06	...	1.71	...	13	8	8	15	se.	A. Reuleaux Heintze.
Orange	Essex	140	...	...	...	...	...	...	...	...	5.21	...	1.47	...	14	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	69	69.8	−2.4	93	6	45	25	30	4.41	−0.22	1.75	0	13	15	6	10	nw.	J. W. Cook.
Pemberton	Burlington	55	10	71.2	−3.2	94	6†	48	25	38	8.60	+3.10	1.92	0	11	13	7	11	e.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	67.8	−4.0	90	6†	41	25	26	4 49	+0.09	1.14	0	9	11	8	12	...	Town Engineer.
Plainfield	Union	120	52	69.8	−2.0	92	6†	44	25	30	4.15	−0.95	1.30	0	12	7	11	13	s.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	70.2	−2.0	86	13†	45	22	32	5.37	+0.71	2.10	...	13	18	5	8	ne.	N. J. Water Policy Comm.
Rahway	Union	20	...	...	...	...	...	...	...	...	4.22	...	1.20	0	8	13	5	13	...	Norman C. Wittwer.
Ridgefield	Bergen	80	23	69.2	−2.6	89	6	44	25	25	5.71	+0.80	1.42	0	14	5	14	12	ne.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	67.2	−4.5	93	6	37	24	42	7.41	+2.44	1.56	...	12	14	9	8	e.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	70.4	−2.1	86	6	56	25	16	5.63	+0.65	1.43	0	13	8	11	12	s.	U.S. Weather Bureau.
Somerville (near)	Somerset	385	57	68.4	−3.9	93	6	41	25	30	5.61	+0.69	1.36	0	12	9	11	11	se.	Richard H. Rogers.
Sussex	Sussex	450	45	67.2	−2.8	89	6	35	25	34	5.95	+1 95	2.33	0	12	9	10	12	sw.	Marshall Hunt.
Toms River	Ocean	33	19	...	...	...	...	...	...	...	9.34	+3.73	5.00	0	11	...	...	...	...	Robt. F, Snyder.
Trenton	Mercer	56	68	70.4	−2.6	92	6	48	25	27	5.54	+0.79	1.79	0	14	5	9	17	s.	U.S. Weather Bureau
Trenton No. 2	Mercer	105	10	70.5	...	93	6	44	25	30	5.88	...	1.53	0	13	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	47	70.9	−1.8	87	6	48	25	29	7.14	+1.84	2.28	0	15	16	3	12	ne.	John H. Brown.
Vineland	Cumberland	109	60	...	...	...	...	...	...	...	6.77	+2.28	1.58	0	13	...	...	...	...	Edward H. Ladd.
Westfield	Union	...	...	...	...	...	...	...	...	...	4.25	...	1.09	0	9	15	7	9	sw.	Town Engineer.
Woodbury	Gloucester	50	...	...	...	...	...	...	...	...	5.85	...	1.80	...	9	2	9	20	e.	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	...	...	...	...	...	...	...	4.11	−0.04	2.07	...	13	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	6	...	...	...	...	...	...	...	8.35	...	2.28	0	10	...	...	...	...	Charles Bishop.
New York, N.Y.	...	10	70	70.4	−2.7	87	6	52	25	22	5.06	+0.73	1.26	0	12	7	11	13	e.	U. S. Weather Bureau.
Philadelphia, Pa.	...	26	69	72.0	−2.8	92	6	53	25	20	7.87	+3.25	1.82	0	12	4	11	16	ne.	U. S. Weather Bureau.
For the State	...	...	...	69.4	−2.6	95	6	32	25	42	5.96	+1.21	5.00	0	12	10	9	12	e.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-9-25-40-925

Daily Precipitation for August, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast		T.				.11	.05					.02	T.	.41		.02	1.35	.03	.18				.04		.13	.40	.25	.95	.21	.03		4.18
Barnegat City[4]	Coast		.09				.39	.25						.16			.01	.55	.02	.25						.70	.57	.10	2.09	.23	.02		5.43
Belleplain	Tuckahoe							.01					.05		.12		.06	.53	.29	.40	.05						.82	.12	1.05	.26	.04	.03	3.83
Belvidere	Delaware						.55	.07						.75				.27		.15							1.13	1.15	.70	1.20		.43	6.40
Boonton[3]	Passaic							.38							.41				.36	T.	.45				.05		.74	.07	1.51	.59	.04	.03	4.63
Bridgeton	Delaware							.27					.11	T.	.13		.03	2.88	.05	.35						T.	1.06	.24	.46	.53	.04		6.15
Burlington	....do						.02	2.68						.34			.12	.95	.24	.40				T.		.02	1.23	.26	1.96	.18	.02		8.42
Camden[4]	Delaware																																
Canoe Brook[3]	Passaic						.01	.50							.46			.04	.74	.02	.44						.92	.06	.79	.47	.07	.03	4.55
Cape May[4]	Coast																																
Charlotteburg	Passaic							.20	.02					1.10				.21	.08	.28	.15			.19			.90		2.14	.24	.20		5.71
Chatham[3]	..do						T.	.53	.02						.56			.07	.58	.02	.62				T.		.98	.08	.87	.48	.14	.05	5.00
Clayton	Delaware							1.62							.43		.12	1.56	.05	.90	.08						1.25	.31	2.02	.11			8.45
Culvers Lake	...do						T.	.84						.13				T.		.33				.57			.90		2.37	.16	T.	.30	5.60
Dover	Passaic						1.02							1.06				.31		.71				.02			.89	.25	1.44	.09	.18	.30	6.27
Egg Harbor City[2]	Mullica						T.	1.50						.03	.50		.20	1.10	.57	.13						.30	.57	.56	1.78	.20	.03		7.47
Elizabeth	Coast						T.	.35						.68	.02			.40	.14	.17	.19						1.14	.05	1.27	.23	.14		4.78
Flemington	Raritan							.39					T.	.12			T.	.15	.37	.87							1.25	.17	1.57	.10	.02	T.	5.01
Freehold	.do							.95						.92	.09		T.	.32	.32	1.54	.18						1.29	.14	1.36	.18	.12	.01	7.42
Hammonton	Mullica							.58					.03	.02	1.13		.20	.95	52	.09					T.	T.	1.25	.22	1.55	.20	.03		6.77
Hightstown	Raritan						T.	.99				.01		.10			.01	.18	.10	2.12				T.		T.	1.14	.18	1.60	.10	.08	T.	6.61
Indian Mills	Mullica							1.09							.40		.16	2.31	.10	.98						T.	1.56	.13	1.61	.04	.02	T.	8.40
Jersey City	Coast					T.	.02	.26	T.					.13				.91	.05	.73	.31			T.		T.	.76	T.	1.23	.03	.04	T.	4.47
Lakewood	Metedeconk						.02	.84					T.		.07		T.	.17	.30	1.10	.25						1.28	.10	1.80	.60	.16	.02	6.71
Lambertville (nr.)	Delaware																																
Layton (near)	....do						.24	T.						.24				.05						.16			.88	.01	2.28	.07	.09	2.18	6.20
Little Falls[3]	Passaic							.42							.17				.58	.04	.81				.07		.87	.04	1.46	.60	.17	.02	5.25
Long Branch[2]‡	Coast						.41	.18						.51			T.	.02	.01	1.70				.02		.31	.91	.20	1.65	.22	.25		6.39
Long Valley[3]	Raritan							.97							.30				.08		.52						.93	.06	1.05	.48	.07	2.31	6.77
Moorestown[3]	Delaware						T.	1.78	.01					.03	.28		T.	1.00	.22		.11						1.42	.05	2.04	.68	.02		7.67
Newark[4]	Coast						.28	.04						.08			T.	1.06	.14	.40						.39	.49	.28	1.06	.07	.06	.01	4.36
New Brunswick	Raritan						T.	.40						.94	.02		T.	.31	.04	.24	.09			T.			1.44	.12	1.16	.17	.11	T.	5.04
New Milford[2]‡	Hackensack						.08	.08						.12				.32	.07	.68				.07		.08	.61	.08	2.42	.11	.03		4.75
Newton	Delaware																																
N. Merchantville[2]‡	Delaware						1.50	.21						.01	.18		.17	.97	.10	.42				T.		.62	.84	.78	1.21	.05	T	T.	7.06
Orange[2]‡	Rahway						.45	.08						.19				1.06	.07	.56				.03		.22	.69	.18	1.47	.07	.13	.01	5.21
Paterson[3]	Passaic						.23	.05						.08				.20	.04	.81				.11		.08	.77	.13	1.75	.03	.13		4.41
Pemberton	Delaware							1 37					T.	.02			.02	1.92	.53	1.26	.22					T.	1.30	.09	1.85	.02			8.60
Phillipsburg	...do						.12	.15					T.	.69			T.	T.	T.	.04			T	T.		T.	1.14	.65	.88	.07	T.	.75	4.49
Plainfield	Raritan						.17	.30						.59	T.		T.	.06	.18	.25							1.30	.04	1.02	.14	.08	.02	4.15
Pleasantville[3]	Coast		T.				.05	.17	T.						.33	T.	.05	1.13	.15		.18				.01	T.	.55	.17	2.10	.45	.03		5.37
Rahway[3]‡	Rahway							.35							.50				.15		60						1.20		.90	.40	.12	T.	4.22
Ridgefield[2]	Hackensack						.46	.15						.11				.36	.04	1 42	.17			T.		.05	.80	.07	1.41	.61	.04	.02	5.71
Runyon	Coast							1.56						.86				.27	.03	1.43	.17			.13			1.45	.17	.97	.23	.14		7.41
Sandy Hook[1]‡	Coast						1.20	.23						.54			T.	.13	.11	.73				.31		.24	.87	.08	.99	.06	.14	T.	5.63
Somerville (near)	Raritan						.15	.71						1.36				.28	15	.39							1 22	.22	.92	.11	.09	.01	5.61
Sussex	Hudson						.14	.02						.37	T.			.14	T.	.23				.46			.87	.01	2.33	.01	.02	1.35	5.95
Toms River	Coast							1.46									.02	.06		.25	.35						1.17	.04	5.00	.77	.21	.01	9.34
Trenton[1]‡	Delaware						.73	.04					T.	.68	.01		.01	.49	.08	.48			T.	T.		.36	.62	.96	1.02	.04	.02	T.	5.54
Trenton No. 2[2]	Delaware						.61	.02					T.	.68			.01	.43	.18	.59			T.	T.		.23	.82	.71	1.53	.03	.04	T.	5.88
Tuckerton	Coast		.02					.18	.03						.18		.02	.96	1.10	.19	.06			.08			1.09	.09	2 28	.82	.04		7.14
Vineland[3]	Maurice						.01	.11							1.10	.08	.03	1.33	1.58		.38				T.		.84	.05	1.02	.21	.03		6.77
Westfield[3]‡	Rahway							.36							.60			*	.43		.31						1.09		.92	.40	.14	T.	4.25
Woodbury	Delaware							.80						.06			.13	.77		.23							1.72		1.80	.22	.12		5.85
Woodcliff Lake[2]‡	Hackensack						.04	.06						.08				.25	.07	.66				.07		.07	.53	.12	2.07	.05	.04		4.11
Woodstown	Delaware							1.15	.02						1.17			2.28	.05	.15	T.					T.	1.35	*	2.10	.08	T.		8.35
New York, N. Y[1]‡	Coast					T.	.61	.13	T.					.15			T.	1.08	.05	.82				T.		.19	.55	.16	1.15	.08	.09	T.	5.06
Phila., Pa[1]‡	Delaware						1.60	.08	T.				T	T.	.04		.14	1.35	.10	.95				T		.49	1.05	.77	1.21	.09	T.	T.	7.87

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.160	160	.224	.128	.106	.084	.128	.192	.128	.160	.176	.112	.076	.160	.128	.056	.020	.036	.040	.176	.160	.096	.112	.128	.088	.060	.006	‡	.038	.030	.044	3.202
	Wind movement	2	11	5	5	6	3	5	3	1	3	9	3	3	1	10	10	6	3	3	10	2	2	4	7	4	2	7	19	12	1	10	172
Pleasantville[3]	Evaporation	.288	.288	.224	.288	.338	*	282	.208	.288	.288	.288	.208	*	.298	.242	*	*	*	.196	.160	.160	.192	.154	.272	.134	*	*	*	*	*	.030	4.826
	Wind movement	50	59	31	65	95	93	16	44	27	41	59	45	66	35	98	96	67	26	72	70	25	60	55	41	43	29	60	98	49	30	64	1709
Runyon	Evaporation	.240	.210	.240	.240	.150	.150	.214	.150	.220	.240	.180	.180	200	.120	.210	.180	.020	.150	.010	.170	.180	.180	.130	.120	.180	.050	000	.070	.000	.000	.150	4.544
	Wind movement	15	35	12	15	30	23	27	10	13	9	11	12	10	11	13	12	12	42	21	22	8	7	6	15	12	19	23	33	47	17	28	570

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed. ‡ —.010

Daily Temperatures for August, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum....	79	74	73	80	80	79	78	78	81	78	78	80	81	80	78	75	76	79	82	77	72	75	78	73	68	68	69	71	69	79	79	76.4
	Minimum	67	65	66	70	73	73	71	68	66	69	71	73	74	72	72	72	71	72	65	59	57	62	66	57	55	63	64	67	66	68	70	67.2
Barnegat City‡	Maximum....	79	78	76	79	82	84	74	78	82	80	80	87	88	90	86	79	80	80	80	76	72	76	80	72	68	67	71	71	71	76	78	78.1
	Minimum....	65	66	67	66	65	65	66	64	64	64	70	71	70	71	70	68	71	64	62	60	56	54	62	55	56	55	64	65	64	68	58	64.1
Belleplain	Maximum....	90	81	77	84	89	91	87	82	91	86	82	84	89	83	80	75	76	84	84	75	73	76	82	81	76	69	67	77	71	73	79	80.5
	Minimum	63	55	49	49	63	70	69	65	53	55	59	66	60	70	60	68	70	70	66	55	48	48	58	51	49	57	59	63	64	64	70	60.2
Belvidere	Maximum....	77	80	85	86	92	94	86	89	88	90	86	89	89	90	84	74	79	80	82	76	78	76	82	75	70	63	62	59	69	74	79	80.1
	Minimum	55	56	56	58	62	68	69	63	62	62	59	62	69	68	59	59	66	70	66	54	45	49	58	45	41	52	51	55	55	63	63	58.7
Boonton§§	Maximum....	76	78	79	81	81	89	84	86	88	88	83	83	83	90	79	81	76	81	82	73	74	76	80	69	66	60	67	60	70	73	82	78.0
	Minimum	56	58	53	51	51	64	68	61	59	60	55	58	64	65	58	57	61	61	70	59	46	48	57	51	39	47	47	51	55	56	65	56.5
Bridgeton	Maximum....	83	86	87	89	92	95	85	89	89	90	93	85	92	93	85	80	80	89	88	75	75	79	84	75	74	69	66	72	73	77	86	83.1
	Minimum	65	68	56	59	66	73	70	67	61	62	60	65	65	72	69	64	71	72	68	57	54	52	60	54	52	57	58	63	62	64	65	62.8
Burlington	Maximum....	86	80	84	89	92	95	87	82	90	88	85	87	89	86	88	86	87	83	89	76	73	72	84	74	71	63	66	65	68	78	88	81.6
	Minimum	62	62	55	55	52	72	70	65	61	61	62	66	65	74	66	65	70	72	67	59	53	51	57	52	48	56	57	59	59	63	67	61.4
Canoe Brook§§	Maximum....	77	76	78	83	87	91	80	84	82	85	79	82	83	84	79	73	75	79	80	71	64	73	77	67	67	59	63	57	70	72	84	76.2
	Minimum	51	53	51	50	58	68	68	62	56	59	56	57	62	62	59	55	60	68	69	53	41	55	52	43	36	50	48	51	56	57	63	55.8
Cape May.‡	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum....	81	77	79	81	87	89	88	86	87	86	81	85	84	87	87	82	74	77	81	71	73	74	78	68	64	63	64	59	70	73	81	78.0
	Minimum	54	54	45	46	58	59	66	58	53	53	49	53	59	64	51	49	64	62	66	55	41	39	49	40	32	48	42	54	52	61	64	52.9
Clayton	Maximum....	90	81	84	88	91	94	90	86	88	86	86	83	90	86	82	77	79	85	86	74	74	78	83	80	73	65	65	68	69	76	87	81.4
	Minimum....	61	57	53	54	61	71	67	65	59	59	57	64	63	69	65	64	69	70	66	55	51	49	56	51	45	54	56	61	59	62	64	59.9
Dover	Maximum....	75	74	75	79	85	87	80	81	82	83	79	80	83	84	76	77	73	77	81	70	70	72	77	70	64	58	62	58	67	72	....	75.0ᵃ
	Minimum	56	57	52	52	63	67	68	63	59	58	54	60	67	66	57	56	65	69	69	57	47	46	55	46	39	50	48	54	55	62	65	57.5
Elizabeth	Maximum....	81	83	82	86	93	95	86	89	94	89	86	86	91	93	82	85	80	82	88	81	80	80	89	77	71	62	67	61	73	76	87	82.4
	Minimum	54	58	54	53	60	64	68	62	58	60	57	60	64	65	60	60	67	59	65	53	45	50	53	45	39	52	49	55	55	62	64	57.1
Flemington	Maximum....	80	80	87	88	92	95	88	87	90	88	84	90	88	89	85	75	78	82	85	75	77	77	82	74	70	67	63	62	68	77	85	80.9
	Minimum	57	59	56	55	61	68	70	64	61	62	58	62	67	68	63	60	67	70	69	56	49	49	56	50	42	53	51	56	57	64	65	59.5
Freehold	Maximum....	84	77	77	85	89	92	89	82	87	84	80	81	86	87	82	74	80	79	80	75	76	76	82	72	68	64	67	68	69	75	86	79.1
	Minimum	55	58	52	57	61	69	68	61	60	60	60	65	68	68	63	62	69	70	68	54	47	53	58	48	42	54	52	51	57	63	65	59.3
Hammonton	Maximum....	93	80	82	90	91	95	89	86	91	87	86	85	91	86	82	78	78	84	76	80	76	78	83	76	71	66	65	68	69	77	87	81.5
	Minimum	60	58	50	51	63	71	69	65	58	59	61	64	63	67	65	63	70	69	55	65	55	49	58	49	50	58	61	64	62	64	66	60.5
Hightstown	Maximum....	79	76	76	85	85	93	79	82	87	84	81	81	86	87	80	74	82	81	87	76	76	79	82	75	70	60	64	64	68	76	88	78.8
	Minimum	56	57	52	52	62	69	69	62	60	59	58	61	66	69	62	59	69	71	63	56	48	51	56	48	44	54	52	58	57	63	64	58.9
Indian Mills(near)	Maximum....	82	78	82	88	88	91	81	85	89	85	85	85	90	86	81	75	78	83	80	75	76	77	83	73	72	63	64	66	68	76	87	79.7
	Minimum	58	57	47	49	62	71	69	65	56	56	52	62	64	68	64	63	70	71	65	55	47	47	58	47	44	56	57	62	62	64	67	59.2
Jersey City	Maximum....	77	78	79	82	85	89	84	85	87	87	81	83	84	90	85	79	76	81	81	76	75	76	82	79	72	65	67	65	71	76	80	79.3
	Minimum	64	64	61	63	68	70	71	65	67	67	62	64	68	71	66	68	70	68	71	60	54	57	63	54	49	53	52	57	57	65	64	63.0
Lakewood	Maximum....	86	78	79	86	90	93	85	84	87	85	80	82	89	87	81	76	80	79	83	76	75	77	82	75	68	61	67	65	67	77	86	79.5
	Minimum	59	59	51	49	63	71	69	62	58	58	55	63	64	70	61	66	71	72	71	55	49	49	56	50	45	56	54	59	60	64	67	59.9
Lambertville (near)	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum....	76	80	82	82	88	90	84	85	89	88	93	85	82	89	81	77	78	81	80	74	62	75	79	68	67	59	65	59	69	71	76	77.9
	Minimum	47	49	51	52	59	65	67	55	56	60	56	52	68	63	52	58	64	68	64	51	39	42	52	39	32	51	48	53	53	61	66	54.6
Little Falls§§	Maximum....	77	80	80	83	90	93	84	86	89	88	85	83	85	89	80	80	75	81	83	76	76	78	82	71	68	62	68	60	72	78	85	79.6
	Minimum	56	58	53	53	65	68	69	63	60	60	57	59	66	65	61	58	67	69	70	56	47	50	55	47	40	51	49	54	55	58	63	58 1
Long Branch*	Maximum....	76	75	74	80	85	85	75	80	85	83	79	80	83	75	78	77	81	79	83	75	72	74	79	74	65	61	67	67	68	76	81	76.8
	Minimum	61	66	57	54	65	70	69	65	62	61	59	68	70	70	70	69	72	73	60	57	52	54	61	54	55	57	58	62	61	65	68	62.7
Long Valley§§	Maximum....	75	76	80	81	88	80	82	85	86	85	81	84	85	87	82	77	77	78	85	74	73	75	....	80	68	59	62	60	75	83	....	78.0ᵇ
	Minimum	54	54	51	50	55	62	67	60	57	58	52	58	65	65	55	55	55	66	67	53	44	41	43	....	38	50	46	49	54	55	63	51.7ᵃ
Moorestown	Maximum....	79	79	82	88	90	94	79	85	88	85	83	84	89	86	82	79	81	82	86	74	74	76	81	70	69	58	65	66	67	76	86	79.5
	Minimum	60	58	53	55	63	70	67	64	61	61	59	65	65	66	64	64	71	71	62	57	51	50	57	50	45	55	57	62	59	64	67	60 4
Newark‡	Maximum....	76	77	79	81	89	91	81	85	87	87	83	84	85	89	80	78	78	80	84	74	76	77	83	71	69	60	68	61	70	78	83	78.8
	Minimum	60	62	60	59	63	69	68	65	65	65	62	63	68	68	64	63	68	71	63	58	53	56	59	52	48	53	52	56	56	65	66	61.3
New Brunswick	Maximum....	83	76	76	90	89	91	90	83	86	85	81	81	84	86	83	74	78	80	84	74	75	76	80	75	67	65	65	62	70	76	86	79.1
	Minimum	59	60	58	55	64	70	70	64	61	61	60	64	66	69	64	61	68	71	68	56	49	53	57	49	45	53	51	57	57	64	66	60.3
Newton	Maximum....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
N. Merchantville*	Maximum....	79	80	87	90	92	95	79	87	88	88	86	86	88	88	83	77	82	85	87	77	75	78	84	74	70	60	65	66	68	77	89	81.0
	Minimum	64	60	57	58	65	73	68	66	64	64	62	66	67	69	64	64	70	70	63	60	55	54	60	54	49	56	57	59	59	64	67	62.2
Paterson§§	Maximum,...	79	80	82	85	90	93	85	88	89	89	86	85	85	91	81	82	76	82	84	77	75	79	83	71	69	61	70	60	72	76	73	79.9
	Minimum .-..	60	61	56	55	60	69	70	64	63	63	59	62	67	68	66	62	65	69	71	58	50	52	55	50	45	49	50	54	55	57	64	59.6
Pemberton	Maximum....	91	79	83	89	92	94	94	85	89	86	84	84	90	88	85	76	81	83	83	76	76	78	83	78	70	67	66	66	69	78	89	81.7
	Minimum	62	60	53	51	61	70	69	65	59	59	58	64	63	70	65	63	68	72	70	56	50	51	59	50	48	55	57	60	60	64	66	60.6
Phillipsburg	Maximum....	76	76	82	81	88	90	90	84	85	83	80	85	85	86	79	71	76	79	78	72	72	72	76	71	66	59	59	59	65	72	76	76.5
	Minimum	57	56	56	57	62	67	69	64	61	61	57	62	69	67	61	60	67	70	64	57	48	48	57	49	41	53	52	56	56	62	64	59.0
Plainfield	Maximum....	77	78	79	85	91	92	81	85	88	81	82	84	87	89	81	75	82	82	83	76	75	79	82	74	69	59	65	61	70	77	88	79.3
	Minimum	61	61	58	55	62	66	70	64	61	62	60	64	64	68	65	60	67	71	70	57	50	52	56	51	44	53	52	56	56	64	67	60.2
Pleasantville§§	Maximum....	84	77	77	83	85	85	81	82	85	84	82	82	86	86	82	79	79	84	84	78	76	77	82	74	71	71	71	73	69	80	82	79.7
	Minimum	63	58	55	51	65	71	68	64	54	55	54	70	63	68	66	70	67	68	67	56	49	45	59	52	49	59	60	64	64	65	64	60.7
Ridgefield*	Maximum ,..	74	78	80	83	85	89	81	83	85	86	84	81	82	88	79	78	75	78	81	75	73	75	80	70	66	59	68	59	70	83	83	77.8
	Minimum	59	62	58	58	66	70	70	65	64	65	61	61	68	68	65	63	68	70	60	56	49	53	56	51	44	52	50	56	56	64	67	60.5
Runyon	Maximum....	82	77	79	86	90	93	87	86	87	88	81	82	85	82	85	85	84	80	85	76	74	75	76	73	75	72	69	63	69	74	87	80.2
	Minimum	48	52	48	44	58	69	69	56	58	54	54	51	60	62	59	61	64	70	65	53	40	42	42	37	48	47	45	54	45	62	61	54.1
Sandy Hook*	Maximum....	77	74	71	77	84	86	75	79	85	80	77	77	82	84	77	74	77	77	78	74	73	73	78	70	64	61	67	63	68	72	79	75.3
	Minimum	65	66	64	65	68	70	68	67	69	69	68	69	70	72	70	70	70	72	63	62	60	62	64	58	56	56	60	60	59	66	68	65.4
Somerville(near)	Maximum....	77	77	79	84	89	93	82	85	86	84	81	83	86	88	78	74	77	81	82	74	73	75	80	70	68	62	69	61	69	76	84	78.3
	Minimum	56	55	55	55	63	63	68	64	63	62	59	62	65	67	63	59	65	70	63	56	48	51	58	48	41	51	52	50	55	62	61	58.4
Sussex	Maximum....	75	80	81	81	87	89	86	87	88	88	84	87	85	88	82	78	79	81	82	75	75	76	80	68	67	61	67	61	74	72	79	78.8
	Minimum	53	54	50	53	60	64	69	57	59	58	55	56	66	63	57	55	66	68	64	53	41	43	55	42	35	51	47	53	54	62	63	55.7
Trenton*	Maximum....	80	76	80	85	88	92	79	84	86	84	80	86	86	86	80	74	81	80	83	74	76	74	81	71	68	59	65	65	68	76	85	78.5
	Minimum	62	62	59	58	66	71	69	64	66	65	63	66	68	68	65	64	70	72	63	59	54	53	60	53	48	55	56	60	58	65	67	62.2
Trenton No. 2*	Maximum....	82	80	83	85	91	93	82	86	88	87	85	88	89	88	82	75	83	83	84	75	76	76	82	73	69	58	65	65	70	78	87	80.3
	Minimum	60	60	55	55	64	71	69	64	63	62	59	63	68	70	65	61	70	71	64	56	51	50	59	50	44	55	55	58	58	64	67	60.7
Tuckerton	Maximum....	80	77	74	84	85	87	85	80	85	82	80	84	86	85	80	76	80	80	83	78	74	76	81	79	72	68	68	67	69	79	83	78.9
	Minimum	67	58	55	55	61	72	70	64	68	58	59	70	65	70	67	70	70	72	70	58	54	54	65	52	48	58	60	63	64	65	67	62.9
New York, N. Y.*	Maximum....	74	77	77	82	83	87	82	84	86	84	78	84	82	86	75	74	77	78	83	73	73	76	79	69	67	62	67	62	72	76	80	77.1
	Minimum	61	65	63	63	67	70	69	66	68	70	69	68	69	71	69	67	69	71	61	60	56	61	60	54	52	53	58	56	57	64	67	63.8
Philadelphia, Pa.*	Maximum....	80	77	82	85	87	92	80	85	87	84	83	83	86	87	80	75	79	82	85	76	74	75	81	72	70	60	64	66	68	76	86	78.9
	Minimum	67	65	64	65	69	72	71	68	70	69	66	69	70	73	67	67	70	72	65	61	58	61	64	57	53	56	59	62	59	64	67	65.2

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLV. September, 1940. No. 9.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

The month was comparatively cool with temperatures below normal about two-thirds of the time. The only days which might be classed as hot were the 20th and 21st, at which time readings above or near 90° were registered at most stations. It was unusually cool from the 26th to 28th when widespread frosts occurred. The 27th was the coldest morning at nearly all stations and killing frosts occurred in northern New Jersey, damaging the corn crop which was later than usual, as well as other vegetation. There were also severe frosts in the region of the cranberry bogs with ground temperatures in the lower twenties; there was little damage to cranberries, however, due to protective measures. The reading of 25° at Charlotteburg on the 27th is within 2° of the low record for September in New Jersey.

Rainfall this month presented some unusual characteristics. In the coastal plain area and extreme northeast, it was below normal while in nearly all the rest of the State it was decidedly above normal. Monthly totals ranged from 1.17 inches at Tuckerton in the southeastern coastal section to 11.95 inches at Clayton, about 40 miles to the westward. The outstanding feature was the heavy rains on September 1st, during the northward passage of a tropical disturbance with its center about 150 miles off the Jersey coast. Moderate to heavy rains fell in the Middle and North Atlantic States on either the 1st or 2d. The region of unusually heavy rainfall, however, was the southwestern quarter of New Jersey. Heavy 24-hour falls (within 12 hours at most stations) were: Clayton 10.52; Pemberton 6.70; Woodbury 6.50; Woodstown 5.40; North Merchantville 5.1[illegible]; Burlington 4.86; Moorestown 4.50; and Trenton No. 2, 4.91 inches. The deluge caused flooding of a number of small rivers and the breaking of several dams, resulting in the drowning of four people, and property damage (mostly to highways and bridges) estimated at more than a million dollars. It is remarkable, however, that no rain fell at the coastal stations of New Jersey from this storm.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 63.5°, which was 2.3° below normal. The highest temperature was 93° at Elizabeth on the 20th, and the lowest, 25°, at Charlotteburg on the 27th. The greatest daily range of temperature was 47° at Runyon on the 28th. The highest monthly mean temperature was 66.9° at Jersey City, and the lowest, 59.0° at Charlotteburg.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 52 stations, was 4.41 inches, which was 0.62 inches above normal. The greatest monthly precipitation was 11.95 inches, at Clayton, and the least, 1.17 inches at Tuckerton The greatest amount of precipitation in any 24 consecutive hours was 10.52 inches at Clayton on the 1st.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +3.05 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms: 1, 8, 9, 21, 22, 23, 24, 25.
Dense Fog: 9, 15, 20, 21, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30 05	30.36	28	29.49	25	13.3	41	ne.	30	80	60	70	64
Long Branch	30 04	30.35	28	29.50	10	12.1	30	ne.	30	80	53	68	66
Ridgefield	30.04	30.35	27	29.52	10	.	....	.	....	....	....	....	....
Sandy Hook	30.04	30.34	27	29 52	10	11.7	48	nw.	21	79	57	70	75
Trenton	30.04	30.35	28	29.50	10	6.7	24	n.	25	80	50	65	79

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	......	......	......	......
1886	66.9	95	36	1.13	0	......	......	......	......
1887	61.6	90	30	3.66	0	7	......	......	......
1888	63.1	84	29	7.09	0	12	.....	......	......
1889	64.8	90	34	8.36	0	14	......	......	......
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	109	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3 38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	23	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	0.37	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	61.5	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	70.5	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63 2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63 4	98	29	2 63	0	6	19	5	6
1938	63.6	95	30	9.67	0	13	12	7	11
1939	66.5	98	31	1.49	0	8	15	9	6
1940	63.5	93	25	4.41	0	5	17	6	7
Period	65.8	109	23	3.79	0	8	15	8	7

Climatological Data for September, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	66.6	−0.2	90	21	44	26	26	1.55	−1.10	0.82	0	6	12	9	9	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	65.4	......	90	21	38	25	35	1.65	−2.35	1.01	0	4	....	....	....	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	63.0^{b}	−3.4	89	21	30	27	41	2.61	−0.77	1.09	0	5	21	4	5	w.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	63.2	−1.9	91	21	32	27	39	3.82	+0.08	1.95	0	5	19	2	9	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	61.4	−2.1	85	21	31	27	39	4.10	+0.25	1.17	......	8	22	0	8	nw.	John Kline.
Bridgeton	Cumberland	30	57	65.4	−2.9	90	22	37	27	32	5.90	+2.59	4.08	0	6	21	4	5	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	66.5	−1.2	91	22	45	12	36	5.16	+1.60	4.86	0	4	22	2	6	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	...	......	......	......	...	......	......	......	......	...	15	6	9	......	Central Airport, Inc
Canoe Brook ‡‡	Essex	180	10	60.8	−3.0	86	3	29	27	40	4.81	−0.35	1.24	......	8	20	2	8	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	......	......	......	......	......	......	...	......	......	......	......	...	...	...	...	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	59.0	−3.3	81	2†	25	27	43	5.22	+1.07	3.03	0	5	14	8	8	sw.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	...	5.10	+0.88	1.36	......	7	18	7	5	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	63.8	−3.2	90	21	35	27	35	11.95	+8.47	10.52	0	5	14	4	12	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	...	5.53	+1.51	2.05	0	6	...	...	...	......	L. S. Depue.
Dover	Morris	600	56	60.3^{d}	−2.2	85	21	31	27	35	5.69	+1.61	3.03	0	5	9	12	9	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	...	3.01	−1.27	1.62	0	5	21	3	6	......	Chas. E. Hall.
Elizabeth	Union	34	61	64.1	−2.8	93	20	30	27	43	3.31	−0.30	2.03	0	6	20	5	5	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	64.8	−1.9	91	21	35	27	38	4.01	+0.37	2.68	0	5	20	4	6	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	63.2	......	89	21	34	27	32	2.16	−2.22	1.77	0	5	21	5	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	64.4	......	91	21	33	27	37	4.74	+0.53	2.61	0	7	19	4	7	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	63.1	−3.4	88	21	35	27	35	5.72	+2.51	3.37	0	4	17	8	5	n.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	63.3	−3.1	92	21	30	27	40	6.28	+2.79	4.55	0	6	16	9	5	n.	Edward Entwistle.
Jersey City	Hudson	81	42	66.9	−0.7	90	21	41	27	32	3.53	+0.13	2.84	0	4	14	9	7	n.	Jersey Journal.
Lakewood	Ocean	54	36	63.0	−2.2	89	21	33	27	36	2.47	−0.57	1.70	0	5	11	11	8	w.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	...	......	......	......	......	...	...	...	...	......	Wm. J. Lauderdale.
Layton(near)‡‡	Sussex	480	39	59.1	−3.4	90	21	29	27	42	2.37	−1.49	1.05	0	5	14	5	11	nw.	A. M. Depue.
Little Falls	Passaic	157	37	63.0	−2.3	89	21	32	27	40	3.87	+0.19	1.93	0	8	18	8	4	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	64.0	−1.9	90	21	37	27	30	2.49	−0.70	1.87	0	4	13	9	8	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	59.4^{a}	......	88	21	28	27	40	3.03	......	0.82	......	6	22	4	4	nw.	R. H. Johnson.
Moorestown	Burlington	62	77	63.6	−2.6	90	21	35	27	33	6.55	+3.02	4.50	0	6	16	7	7	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	64.0	−2.4	90	21	37	27	31	3.51	−0.18	2.47	0	7	2	18	10	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	64.0	−1.8	89	21	35	27	34	4.72	+1.36	2.60	0	5	11	12	7	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	...	3.14	−1.21	2.08	......	6	...	...	...	......	Hackensack Water Co
Newton	Sussex	769	57	......	......	......	......	......	......	...	......	......	......	......	...	...	...	...	......	Irving J. Kern.
N. Merchantville	Camden	63	6	65.6	......	91	21	38	27	29	7.19	......	5.19	0	4	16	5	9	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	...	4.27	......	2.13	0	6	...	...	...	......	H. J. Finley.
Paterson	Passaic	95	69	64.4	−1.9	89	21	35	27	39	3.36	−0.25	1.76	0	5	21	2	7	w.	J. W. Cook.
Pemberton	Burlington	55	10	64.8	−2.9	91	21	35	27	36	8.72	+3.89	6.70	0	7	20	5	5	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	61.2	−4.0	86	21	35	27	33	3.14	−0.35	2.28	0	4	14	9	7	......	Town Engineer.
Plainfield	Union	120	52	64.2	−1.4	90	21	34	27	36	5.19	+1.16	2.78	0	6	14	8	8	n.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	63.6	−2.3	90	21	31	27	39	1.50	−1.47	0.91	......	6	22	2	6	ne.	N. J. Water Policy Comm.
Rahway	Union	20	....	......	......	......	......	......	......	...	3.83	......	1.75	0	6	20	10	0	......	Norman C. Wittwer.
Ridgefield	Bergen	80	23	63.4	−1.7	88	21	37	27	32	3.18	+0.04	2.46	0	6	9	17	4	n.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	61.1	−3.2	90	21	26	27	47	4.91	+0.83	2.58	......	4	21	8	1	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	66.4	−1.1	85	21	46	26	25	2.85	−0.58	2.59	0	4	15	7	8	w.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	57	63.2	−2.7	88	2†	33	27	32	6.12	−2.40	3.02	0	6	18	5	7	nw.	Richard H. Rogers.
Sussex	Sussex	450	45	60.0	−4.3	88	21	30	27	39	3.62	+0.05	1.38	0	6	18	5	7	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	...	1.89	−2.39	1.40	0	4	...	...	...	......	Robt. F. Snyder.
Trenton	Mercer	56	68	64.9	−2.0	90	21	40	27	29	6.17	+2.77	3.84	0	6	14	7	9	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	64.3	......	90	21	37	27	31	7.28	......	4.91	0	5	...	...	...	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	66.2	−0.5	91	21	38	26†	33	1.17	−2.09	0.78	0	4	21	2	7	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	...	4.76	+1.31	3.37	0	6	...	...	...	......	Edward H. Ladd.
Westfield	Union	145	....	......	......	......	......	......	......	...	4.54	......	2.67	0	7	21	2	7	sw.	Town Engineer.
Woodbury	Gloucester	50	....	......	......	......	......	......	......	...	8.52	......	6.50	......	4	13	6	11	w.	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	...	2.74	−1.43	1.70	......	6	...	...	...	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	...	6.71	......	5.04	0	6	...	...	...	......	Charles Bishop.
New York, N. Y.	......	10	70	65.8	−1.0	87	21	42	26	27	3.22	−0.17	2.57	0	5	16	6	8	n.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	69	67.4	−0.6	90	21	44	26	28	4.58	+1.44	3.19	0	6	16	7	7	n.	U. S. Weather Bureau.
For the State	......	......	....	63.5	−2.3	93	20	25	27	47	4.41	+0.62	10.52	0	5	17	6	7	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. **Departures** of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-9-25-40-925

Daily Precipitation for September, 1940

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast									.19	.06	.43					.03				.02	T.				.82							1.55
Barnegat City[4]	Coast									.32		.30										.02				1.01							1.65
Belleplain	Tuckahoe	1.09								.33	.07	.45														.67							2.61
Belvidere	Delaware	1.10								.38	.05											.34				1.95							3.82
Boonton[3]	Passaic	.80	1.17							.38	.01	.02											.06			.56	1.10						4.10
Bridgeton	Delaware	4.08								.49	.06	.29											.16			.82							5.90
Burlington	do	4.86								.15	T.											.04				.11							5.16
Camden[4]	Delaware																					.03				.73							
Canoe Brook[3]	Passaic	1.10	.73							.41	.02	.03											.20			1.24	1.08						4.81
Cape May[4]	Coast																																
Charlotteburg	Passaic	3.03								.32	.05												.12			1.70							5.22
Chatham[3]	do	.90	.96							.32		.08											.25			1.36	1.23						5.10
Clayton	Delaware	**								.22	.06	.20														.95							11.95
Culvers Lake	do	2.05	1.39							.25	.18											.10				1.56							5.53
Dover	Passaic	3.03								.48	.04											.18				1.96							5.69
Egg Harbor City[2]	Mullica	1.62								.10		.32										.03				.94							3.01
Elizabeth	Coast	.95	.06							.20	.01											.06				2.03							3.31
Flemington	Raritan	.88								.33	.02											.10				2.68							4.01
Freehold	do	.19								.11	T.	.03										.06				1.77							2.16
Hammonton	Mullica	2.61	.16							.20	.08	.29											.20			1.20					T.		4.74
Hightstown	Raritan	3.37							T.	.22	T.	T.										.14				1.99							5.72
Indian Mills	Mullica	4.55								.18	.03	.19										.02				1.31							6.28
Jersey City	Coast	.27	T.							.37	T.	T.										.05				2.84							3.53
Lakewood	Metedeconk									.25	.04	.34												.14		1.70							2.47
Lambertville(nr.)	Delaware																																
Layton(near)	do	.74	T.							.31	.20											.07				1.05							2.37
Little Falls[3]	Passaic	1.37	.27							.23	.02	.03											.02			.81	1.12						3.87
Long Branch[2]‡	Coast						T.			.39	T.	.18										.05			T.	1.87							2.49
Long Valley[3]	Raritan		.38							.48		.02											.73			.82	.60						3.03
Moorestown[3]	Delaware	4.50	.02							.32	.02												T.			.71	.98						6.55
Newark[4]	Coast	.60	T.						.38	.03	.01									T		.02			.32	2.15							3.51
New Brunswick	Raritan	1.83							T.	.19	.03											.07	T.			2.60							4.72
New Milford[2]‡	Hackensack	.90		.04						.04	.05											.03				2.08							3.14
Newton	Delaware																																
N. Merchantville[2]‡	Delaware	5.19							T.	.32	T.											.03				1.65							7.19
Orange[2]‡	Rahway	1.44	.03							.39	.02											.26				2.13							4.27
Paterson[3]	Passaic	1.39	T.							.15	.05											.01				1.76							3.36
Pemberton	Delaware	6.70								.16	.02	.05	.01										.03			1.75							8.72
Phillipsburg	do	.10							T.	.55	T.											.21			T.	2.28							3.14
Plainfield	Raritan	1.87	.03							.24	.02					T.						.25				2.78							5.19
Pleasantville[3]	Coast		.07							.10		.09	.33													.25	.66						1.50
Rahway[3]‡	Rahway	.48	.27							.18													.15			1.75	1.00						3.83
Ridgefield[2]	Hackensack	.42	.08							.16	.04											.02				2.46							3.18
Runyon	Coast	2.07								.22												.04				2.58							4.91
Sandy Hook[1]‡	Coast	T.								.16	T.	.01										.09				2.59							2.85
Somerville(near)	Raritan	2.06	.04						T.	.78	.02											.20				3.02							6.12
Sussex	Hudson	1.18	.57							.10	.23											.16			T	1.38							3.62
Toms River	Coast									.18	.01	.30														1.40							1.89
Trenton[1]‡	Delaware	3.84							.02	.07	.01											.11			T.	2.12	T.				T.		6.17
Trenton No. 2[2]	Delaware	4.91							.14	.12	T.											.08				2.03							7.28
Tuckerton	Coast									.04		.33	.02													.78							1.17
Vineland[3]	Maurice	.12	3.25							.22		.03	.09														1.05						4.76
Westfield[3]‡	Rahway	*	1.40	.10						.21													.16			1.56	1.11						4.54
Woodbury	Delaware	6.50								.40	.04															1.58							8.52
Woodcliff Lake[2]‡	Hackensack	.83		.02						.05	04											.10				1.70							2.74
Woodstown	Delaware	5.04	.10							.34	.08												.05			1.10							6.71
New York, N. Y[1]‡	Coast	.29	T.							.31	.01	T.										.04				2.57							3.22
Phila., Pa[1]‡	Delaware	3.19							.02	.24	.01											.02				1.10							4.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch ** 10.52

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.058	.128	.096	.176	.192	.128	.160	.090	.084	.094	.048	.096	.064	.096	.096	.096	.128	.128	.064	.192	.040	.128	.128	.088	.056	.128	.096	.096	.064	.128	...	3.166
	Wind movement	4	3	2	8	4	2	3	2	2	2	1	3	5	5	9	2	4	2	1	0	9	5	7	11	12	7	3	1	1	6	....	126
Pleasantville[3]	Evaporation	.118	.240	.192	.064	.160	.224	112	.148	.096	.138	*	.106	.208	.128	.096	.096	.128	.160	.128	.160	.128	320	.176	.378	.084	.192	.048	.192	.192	.044	....	4.456
	Wind movement	*	51	21	11	19	12	14	14	11	19	10	23	15	19	38	13	12	12	12	42	29	52	68	114	119	45	23	37	12	100	....	967
Runyon	Evaporation	.050	.120	.120	.180	.180	.180	150	.150	.020	.120	.120	.120	120	.120	.120	.100	.120	.120	.120	.120	.160	.150	.150	.120	.540	.120	.120	.090	.100	.060	....	4.060
	Wind movement	5	10	12	10	10	12	8	3	5	6	7	5	5	8	41	6	7	6	9	5	6	7	7	32	40	12	12	21	24	18	....	359

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for September, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	76	85	82	82	81	72	70	72	76	82	67	71	73	72	70	67	78	77	78	76	90	81	75	74	73	59	63	65	69	64	....	74.0
	Minimum	71	69	66	65	64	58	57	57	66	67	54	50	52	58	66	59	58	57	60	67	69	65	61	68	47	44	46	50	51	58	....	59.3
Barnegat City‡	Maximum	77	83	82	81	80	72	68	72	77	80	65	70	72	74	73	68	76	78	79	78	90	80	74	76	73	60	66	68	69	74	....	74.5
	Minimum	70	67	65	64	62	59	54	53	62	63	54	52	53	55	64	59	52	43	54	55	65	64	60	68	38	44	44	48	49	52	....	56.4
Belleplain	Maximum	84	82	81	80	79	76	71	74	80	82	78	69	70	70	69	69	....	81	....	79	89	84	82	82	77	71	65	66	75	71	....	76.3ᵇ
	Minimum	64	64	55	55	55	50	51	45	59	60	53	43	42	40	51	51	....	46	....	48	64	62	51	55	48	34	30	31	34	49	....	49.6ᵇ
Belvidere	Maximum	75	85	84	82	81	78	77	71	76	75	73	71	71	77	72	77	79	83	80	86	91	81	80	80	73	61	69	75	77	62	....	76.7
	Minimum	68	63	56	56	54	48	47	44	59	55	45	40	46	45	47	48	44	46	49	67	60	63	48	57	47	36	32	37	38	47	....	49.7
Boonton§§	Maximum	78	82	80	78	77	75	71	72	75	71	66	68	67	73	72	72	75	79	77	83	85	78	76	78	67	58	66	73	74	62	....	73.6
	Minimum	68	68	60	59	56	51	49	44	49	53	48	43	43	41	44	49	44	46	46	49	56	65	48	49	62	39	31	34	35	48	....	49.2
Bridgeton	Maximum	78	84	81	81	80	77	74	76	80	81	73	70	72	78	78	73	77	81	81	84	90	79	82	83	78	64	69	70	74	68	....	77.2
	Minimum	68	63	62	59	60	54	55	53	61	61	54	47	47	47	53	54	52	51	53	60	62	63	56	59	49	39	37	39	43	48	....	53.6
Burlington	Maximum	79	83	82	82	80	77	74	75	80	76	72	71	72	77	77	75	79	83	84	72	91	84	82	82	76	64	64	73	74	62	....	76.7
	Minimum	68	67	61	61	60	58	52	52	63	59	55	45	47	46	55	53	49	49	48	60	65	64	62	60	48	56	54	63	61	49	....	56.3
Canoe Brook§§	Maximum	77	82	86	76	78	75	71	70	74	75	63	70	68	72	72	72	74	80	78	84	85	84	79	80	68	59	65	73	74	63	....	74.2
	Minimum	68	66	53	50	49	44	42	39	57	51	45	37	40	41	46	43	39	42	47	51	57	62	60	48	64	38	29	33	38	41	....	47.3
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	78	81	78	78	77	75	72	75	74	73	76	67	66	70	70	71	73	79	79	80	81	79	77	77	77	57	55	71	72	70	...	73.6
	Minimum	66	64	50	48	47	45	42	36	56	46	45	37	47	39	40	42	39	41	42	49	53	60	41	49	45	35	25	26	31	41	....	44.3
Clayton	Maximum	81	83	82	80	79	76	70	76	79	80	72	69	71	75	76	78	76	79	80	84	90	83	80	81	77	58	66	70	74	69	....	76.5
	Minimum	66	63	60	57	60	51	51	50	59	58	53	44	44	43	51	51	49	48	49	56	60	61	53	57	47	37	35	36	39	48	....	51.2
Dover	Maximum	75	78	76	75	75	71	....	69	72	69	64	65	65	69	68	68	73	75	75	79	85	75	75	77	70	56	61	69	70	....	....	71.4ᵇ
	Minimum	....	66	58	54	54	....	....	42	59	52	48	42	47	42	46	47	47	49	50	65	60	61	49	57	43	36	31	34	....	40	....	49.2ᵈ
Elizabeth	Maximum	79	87	86	85	84	84	78	76	80	76	69	76	77	76	81	77	82	86	83	93	91	84	82	83	76	63	73	75	79	59	....	79.3
	Minimum	70	66	56	54	53	48	47	43	55	53	48	42	42	42	50	47	44	48	50	58	61	60	48	53	47	33	30	34	39	47	....	48.9
Flemington	Maximum	82	85	84	80	80	80	75	75	78	75	73	69	70	75	74	75	79	83	83	88	91	80	81	81	76	60	70	76	75	70	....	77.4
	Minimum	68	66	60	58	60	52	50	47	60	56	50	43	50	45	50	51	48	51	51	58	64	65	49	59	49	38	35	38	41	52	....	52.1
Freehold	Maximum	79	83	81	79	78	76	72	72	77	72	70	69	70	74	73	73	76	80	81	84	89	77	78	80	76	58	66	70	73	61	....	74.9
	Minimum	68	67	60	56	55	49	47	45	59	58	52	42	46	44	52	50	49	50	53	59	63	61	50	57	50	36	34	42	42	47	....	51.4
Hammonton	Maximum	78	84	83	83	80	77	74	77	80	82	72	70	74	76	75	74	78	82	82	85	91	84	81	81	75	60	68	70	76	66	....	77.3
	Minimum	67	65	53	58	59	50	50	49	60	61	54	45	46	44	43	51	49	49	53	58	64	62	60	57	51	37	33	35	39	46	....	51.6
Hightstown	Maximum	77	83	81	80	79	77	72	75	77	74	63	70	70	75	72	72	77	81	80	84	88	78	80	79	74	59	67	72	73	63	....	75.1
	Minimum	67	68	58	57	56	51	49	45	60	56	51	43	46	44	49	49	48	48	52	59	64	62	49	58	48	37	35	37	40	47	....	51.1
Indian Mills(near)	Maximum	78	83	83	82	80	77	72	77	80	80	67	70	72	77	74	74	78	82	81	85	92	80	80	81	74	59	68	72	76	62	....	76.5
	Minimum	66	64	59	57	56	46	48	45	61	59	53	42	44	44	51	51	45	45	48	59	63	64	48	58	48	36	30	32	36	45	....	50.1
Jersey City	Maximum	77	85	84	80	79	80	76	73	77	72	73	70	71	72	71	74	78	82	80	81	90	81	81	82	81	59	64	72	76	76	....	76.6
	Minimum	72	72	64	64	62	54	53	51	63	63	56	50	53	50	55	53	55	62	59	64	67	68	62	63	49	43	41	46	46	55	....	57.2
Lakewood	Maximum	78	83	81	80	78	75	71	73	75	77	71	69	71	74	73	73	76	80	79	83	89	79	77	79	76	59	65	70	72	60	....	74.9
	Minimum	73	69	59	57	56	51	49	45	59	55	54	44	45	42	50	53	48	48	53	58	64	61	51	53	50	38	33	34	38	46	....	51.2
Lambertville (near)	Maximum	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum	74	80	79	79	75	73	71	70	71	60	65	67	66	74	72	72	75	79	72	83	90	77	75	80	72	56	65	72	76	62	....	72.7
	Minimum	65	63	52	53	50	45	41	40	57	51	40	38	42	42	45	42	39	45	38	52	57	62	45	48	45	33	29	31	34	41	....	45.5
Little Falls§§	Maximum	78	83	82	79	80	76	82	74	77	73	68	70	66	73	74	73	78	82	78	85	89	81	79	80	68	60	66	75	74	62	....	75.6
	Minimum	68	68	57	55	49	54	47	41	59	54	48	40	45	41	47	46	43	48	50	55	62	64	49	60	66	37	32	35	39	46	....	50.3
Long Branch*	Maximum	77	83	82	80	78	74	70	70	77	78	61	70	71	70	70	69	77	78	79	78	90	79	74	80	74	58	62	68	72	60	....	73.6
	Minimum	71	66	61	59	58	59	52	48	62	60	53	47	48	47	63	56	51	52	55	60	65	64	55	61	48	41	37	40	42	53	....	54.5
Long Valley§§	Maximum	72	81	81	78	77	75	70	71	72	72	67	67	68	74	70	71	70	79	79	84	88	77	77	79	65	58	67	72	62	....	....	73.2ᵃ
	Minimum	....	65	53	52	52	48	45	39	58	50	46	40	42	38	44	45	43	43	43	45	53	49	45	49	62	34	28	32	34	44	....	45.6ᵃ
Moorestown	Maximum	76	82	82	80	79	75	71	73	77	76	62	69	70	74	74	73	77	80	79	82	90	78	79	80	73	54	66	71	74	61	....	74 6
	Minimum	65	65	62	58	56	51	51	60	60	60	49	45	49	45	53	52	48	50	52	60	66	61	51	65	45	38	35	38	42	49	....	52.7
Newark‡	Maximum	76	84	83	80	79	75	72	74	76	73	64	71	71	73	72	74	78	83	79	82	90	80	78	80	69	59	65	73	73	62	....	74 9
	Minimum	70	64	60	61	58	54	52	50	60	59	49	48	49	47	54	52	48	54	54	60	64	60	54	59	45	40	37	42	44	49	....	53.2
New Brunswick	Maximum	81	83	81	80	77	75	72	72	77	74	72	70	69	72	72	72	77	80	80	83	89	78	78	80	75	58	65	72	73	70	....	75.2
	Minimum	69	68	58	59	57	53	52	46	59	57	51	46	48	46	53	50	48	52	53	60	64	64	51	60	49	38	35	38	42	54	...	52.7
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
N. Merchantville*	Maximum	77	84	84	83	80	76	73	75	79	79	64	71	73	76	76	74	78	80	79	85	91	80	80	81	74	60	67	70	75	62	....	76.2
	Minimum	67	65	62	60	62	56	54	56	63	62	50	47	52	50	55	54	54	54	55	61	66	62	55	61	45	42	38	48	46	53	....	55.0
Paterson§§	Maximum	79	85	82	80	81	78	74	76	77	74	69	70	70	75	75	75	78	83	79	85	89	83	79	80	69	61	63	75	78	65	....	76.4
	Minimum	68	68	60	60	62	52	50	48	50	55	51	47	48	46	48	51	51	54	53	54	60	65	53	55	64	40	35	36	40	49	....	52.4
Pemberton	Maximum	79	83	83	82	80	79	77	76	80	80	73	73	74	77	75	75	80	83	82	86	91	80	81	80	77	60	69	72	75	61	....	77.4
	Minimum	68	67	61	58	58	54	51	49	62	60	54	44	45	45	53	52	47	48	51	59	63	62	52	59	50	38	35	36	41	48	....	52.3
Phillipsburg	Maximum	71	80	78	77	78	72	72	66	71	74	66	65	67	70	69	70	74	76	76	80	86	77	75	76	70	59	64	69	71	59	....	71.9
	Minimum	67	63	56	54	54	50	48	45	59	55	50	45	47	44	48	51	46	47	49	56	58	60	49	59	47	38	35	36	49	48	....	50.4
Plainfield	Maximum	79	86	83	82	81	78	74	77	76	73	73	70	70	74	73	75	78	82	80	85	90	80	79	81	68	63	67	73	75	62	....	76.2
	Minimum	69	66	59	57	59	55	51	47	60	57	51	45	45	46	52	51	48	49	53	60	62	64	52	60	49	40	34	37	41	51	....	52.3
Pleasantville§§	Maximum	81	69	83	84	82	73	74	75	83	84	59	72	75	75	72	72	79	80	81	81	90	82	78	79	78	61	65	70	75	61	....	75.8
	Minimum	71	63	58	55	56	51	52	44	58	58	54	44	46	44	50	50	47	49	52	56	63	63	52	57	67	39	31	33	36	47	....	51.5
Ridgefield*	Maximum	77	82	80	79	77	72	70	73	76	71	63	69	70	73	72	72	76	80	76	79	88	80	78	80	73	59	66	73	73	63	....	74.0
	Minimum	71	64	61	60	57	51	51	48	61	56	51	46	48	46	53	50	49	53	53	58	65	64	53	59	45	39	37	41	49	51	....	52.8
Runyon	Maximum	84	83	83	81	81	83	77	75	76	74	72	76	77	73	72	74	76	79	81	84	90	82	80	80	77	67	68	76	77	72	....	77.7
	Minimum	68	66	51	52	47	43	36	40	51	44	46	35	36	46	47	46	44	40	38	54	62	42	41	54	48	33	26	29	32	38	....	44.5
Sandy Hook*	Maximum	74	81	80	79	76	73	69	69	75	74	64	69	70	69	70	71	75	80	78	68	85	79	73	78	74	58	63	69	72	61	....	72.9
	Minimum	70	70	64	66	66	62	58	58	64	64	57	56	56	58	61	57	58	61	61	64	68	67	62	64	49	46	49	51	54	54	....	59.8
Somerville(near)	Maximum	77	88	80	78	78	74	71	73	75	70	64	69	69	73	73	71	75	79	78	83	88	77	79	79	71	58	65	75	75	63	....	74.3
	Minimum	67	67	59	58	57	49	48	48	58	54	48	44	47	46	51	46	49	55	56	59	63	62	53	58	47	34	33	49	46	48	....	52.0
Sussex	Maximum	76	79	79	79	77	75	71	73	75	70	67	67	67	74	72	72	75	79	76	82	88	78	77	78	71	57	64	71	73	61	....	73.4
	Minimum	67	65	55	52	50	44	44	40	58	52	42	38	44	39	46	43	41	43	48	52	59	62	46	51	47	33	30	32	35	43	....	46.7
Trenton*	Maximum	76	82	81	79	79	74	71	73	77	73	63	67	69	74	72	72	76	80	80	85	90	78	78	79	75	57	65	71	73	61	....	74.3
	Minimum	69	67	62	63	60	56	53	53	64	61	53	47	50	49	56	53	53	57	57	62	65	64	57	61	46	42	40	44	48	53	....	55.5
Trenton No. 2*	Maximum	76	83	82	81	80	76	73	74	78	75	64	70	71	76	74	74	78	81	82	84	90	79	80	79	74	59	66	71	75	62	....	75.6
	Minimum	67	66	60	59	60	52	50	49	61	59	53	45	48	46	52	50	49	52	55	60	64	64	53	61	46	38	37	40	44	50	....	53.0
Tuckerton	Maximum	80	85	85	87	82	78	82	75	82	82	75	80	72	75	73	70	80	80	80	84	91	83	80	79	74	62	65	70	72	68	....	77.7
	Minimum	70	68	60	63	58	58	50	48	62	63	54	47	43	48	60	57	58	50	55	60	65	64	53	64	50	38	38	40	42	51	....	54.6
New York, N. Y.*	Maximum	74	82	80	79	76	73	71	74	75	72	63	68	71	69	71	71	77	81	77	81	87	78	77	78	73	59	65	71	72	64	....	73.6
	Minimum	71	68	63	64	63	58	54	54	63	62	55	52	55	56	60	55	56	60	60	65	66	66	62	64	46	42	46	49	53	55	....	58.1
Philadelphia, Pa.*	Maximum	76	82	82	82	82	78	72	74	80	76	64	69	71	75	73	73	79	82	79	84	90	81	79	78	75	61	65	71	76	62	....	75.7
	Minimum	68	67	67	65	65	60	59	60	64	64	56	52	54	57	59	57	58	61	62	64	66	67	61	64	47	44	45	50	51	55	....	59.0

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * **Midnight to Midnight.** ‡ **1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

.05
NJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLV. October, 1940. No. 10.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

The average temperature for this month, 51.0°, is the lowest October average since 1925. The coldest weather occurred on the 22d and 29th. Charlotteburg recorded 11° on the 22d, which is within 2° of the record for October in New Jersey. Though it was colder than normal most of the month, temperatures considerably above normal were registered on the 7th, 12-15th and 24th. In fact, maxima around 80° were recorded at most stations on the 7th or 13th. Killing frost was general on the 22d, though it had occurred locally on the 5th, 10th, 16th and 19th, and in limited areas on September 27th.

The month was comparatively dry with only 65 per cent of the normal precipitation. It was well distributed over the State, however, with no unusually dry or wet localities, the greatest total being 3.22 inches at Burlington and the least 1.48 inches at Atlantic City. The unusual feature was the snowfall during the night of the 19-20th. The snow cover in central and southwestern New Jersey accumulated to a depth of one to three inches on exposed objects, though it was much less on the ground because of soil warmth. Evergreens and trees had the appearance of midwinter. This was the heaviest snowfall ever recorded in these parts so early in the season. Oddly enough, the snowfall was much lighter in the extreme north with most stations recording only a trace. Soil moisture was adequate for the germination of fall sown grains and grasses.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 51.0°, which was 3.6° below normal. The highest temperature was 82° at Burlington and Flemington on the 13th, and the lowest, 11°, at Charlottburg on the 22d. The greatest daily range of temperature was 54° at Charlotteburg on the 16th. The highest monthly mean temperature was 54.0° at Jersey City, and the lowest, 46.8° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is —2.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 54 stations, was 2.36 inches, which was 1.25 inches below normal. The average total snowfall at 46 stations was 0.7 inch, which was 0.7 inch above normal. The greatest monthly precipitation was 3.22 inches, at Burlington, and the least, 1.48 inches at Atlantic City. The greatest amount of precipitation in any 24 consecutive hours was 1.75 inches at Layton on the 30th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +1.80 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 13, 15, 30.

Killing Frost: 5, 10, 16, 19, 22.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.10	30.48	22	29.76	15	15.0	43	ne.	1	80	60	69	67
Long Branch	30.08	30.48	22	29.71	15	11.4	36	nw.	18	78	48	66	56
Ridgefield	30.07	30.48	22	29.72	15	...	....	....	....	....	....	....	....
Sandy Hook	30.08	30.48	22	29 72	15	14.1	41	n.	15	75	56	66	65
Trenton	30.09	30.50	22	29.74	15	7.9	25	n.	15	76	49	64	65

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	......
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	**95**	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	**59.9**	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	**8.92**	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	**11**	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	**0.31**	0	1	23	6	2
1925	**49.1**	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	53.2	84	15	5.27	T.	10	12	7	12
1938	56.2	93	24	2.47	0	7	19	5	7
1939	54.9	93	19	4.24	0	9	14	6	11
1940	51.0	82	11	2.86	0.7	8	15	7	9
Period	54.6	95	9	3.61	0	8	15	8	8

Climatological Data for October, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	53.8	−3.1	72	24	30	22	22	1.48	−1.72	0.51	T.	9	10	12	9	n.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	53.2	......	76	24	30	22	27	2.06	−1.89	0.80	T.	10	....	....	....	......	U. S. Coast Guard.
Belleplain	Cape May	49	46	51.8	−3.6	79	7†	17	22	43	1.77	−1.13	0.52	1.0	7	10	10	11	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	......	......	80	13	......	......	....	1.75	−2.07	......	0.2	6	....	....	....	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	48.4	−3.8	77	13	21	22†	37	2.42	−1.49	0.79	......	6	22	0	9	ne.	John Kline.
Bridgeton	Cumberland	30	57	52.6	−4.3	80	13	26	22	38	2.22	−0.88	0.93	2.0	7	17	5	9	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	52.8	−4.4	82	13	25	22	36	3.22	−0.27	0.92	T.	7	17	4	10	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	2.48	......	0.83	2.0	7	8	14	9	......	Central Airport, Inc
Canoe Brook...‡‡	Essex	180	10	47.8	−4.6	76	13	15	29	43	2.29	−1.34	0.75	......	6	22	3	6	ne.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	48.6	−2.8	78	13	11	22	54	2.59	−1.82	1.15	0	7	15	4	12	w.	Newark Water Dept
Chatham	Morris	185	36	......	......	......	......	......	......	....	2.36	−1.75	0.84	0.2	7	15	11	5	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	51.3	−5.1	79	13	22	22	40	2.13	−1.03	0.78	2.5	5	12	4	15	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	2.20	−1.41	1.43	0	7	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	48.2ᵃ	−3.2	76	13	19	29	35	2.50	−1.64	1.38	T.	6	7	17	7	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	....	2.02	−2.06	0.66	T.	9	18	5	8	......	Chas. E. Hall.
Elizabeth	Union	34	61	51.9	−3.3	81	13	22	22	47	2.07	−1.88	1.09	0.3	8	21	2	8	ne.	Union County Park Comm
Flemington	Hunterdon	140	§54	52.1	−3.5	82	13	22	22	37	2.44	−1.07	1.11	0.5	7	20	4	7	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	51.0	......	80	7	22	22	34	2.24	−1.44	0.92	1.0	9	19	7	5	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	52.1	......	81	13	23	22†	40	2.39	−1.46	0.80	1.0	11	17	7	7	n.	J. G. Wilson.
Hightstown	Mercer	110	47	50.6	−4.3	79	7	22	22†	33	2.74	−0.96	0.90	1.4	9	15	11	5	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	50.8	−4.5	80	13	18	29	40	2.19	−1.50	0.74	2.3	10	11	15	5	n.	Edward Entwistle.
Jersey City	Hudson	81	42	54.0	−2.4	80	13	29	22	31	2.59	−1.51	1.23	T.	9	13	11	7	n.	Jersey Journal.
Lakewood	Ocean	54	36	51.4	−3.0	79	7†	21	22	39	2.32	−1.48	1.02	1.5	9	10	11	10	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton(near)‡‡	Sussex	480	39	46.8	−4.1	78	13	14	29	42	2.79	−0.96	1.75	T.	6	12	5	14	sw.	A. M. Depue.
Little Falls	Passaic	157	37	50.0	−4.1	80	13	20	29	38	2.63	−1.96	0.93	T.	9	17	7	7	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	51.7	−3.5	80	13†	27	22	35	2.51	−1.88	0.99	1.2	10	9	9	13	ne.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	......	......	77	13	......	......	....	2.66	......	......	......	8	....	....	....	......	R. H. Johnson.
Moorestown	Burlington	62	77	50.8	−4.1	78	7†	23	22	34	2.37	−1.11	0.81	2.0	8	13	10	8	n.	Japanese Beetle Laborator
Newark	Essex	10	41	51.8	−3.8	80	13	30	22†	34	2.32	−2.04	1.07	T.	9	4	19	8	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	51.7	−3.1	79	13	24	22	32	2.49	−1.33	0.92	0.5	7	13	9	9	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	2.63	−0.46	1.19	......	7	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	57	49.0	−3.7	78	13	19	22	36	1.97	−1.68	1.08	0.2	8	16	6	9	ne.	Irving J. Kern.
N. Merchantville	Camden	63	6	52.5	......	80	13	29	22	32	2.61	......	0.86	3.1	10	11	11	9	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	2.15	......	......	......	6	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	69	51.5	−3.6	81	13	24	29	36	2.53	−1.58	0.98	T.	8	22	4	5	nw.	J. W. Cook.
Pemberton	Burlington	55	10	52.6	−3.1	81	7†	23	22	35	2.45	−1.00	0.87	0.8	9	15	8	8	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	48.2	−5.3	74	13	21	29	32	2.07	−1.53	0.77	0.5	7	16	3	12	......	Town Engineer.
Plainfield	Union	120	52	51.4	−2.6	80	13	24	22	35	2.58	−1.50	1.17	0.6	8	14	6	11	n.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	52.2	−2.6	80	13	21	22	40	1.55	−1.78	0.58	......	9	17	8	6	ne.	N. J. Water Policy Comm
Rahway	Union	20	....	......	......	......	......	......	......	....	2.66	......	0.75	T.	5	21	4	6	......	Norman C. Wittwer.
Ridgefield	Bergen	80	23	51.0	−2.8	80	13	26	22†	33	2.66	−1.57	1.32	T.	7	13	12	6	n.	George P. Kirsten
Runyon‡‡	Middlesex	18	17	48.7ᵇ	−4.1	80	7	12	22	42	3.11	−0.64	1.09	......	8	19	8	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	53.2	−3.7	76	15	34	19	27	2.47	−1.31	1.15	T.	9	13	8	10	sw.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	57	50.3	−3.9	78	4†	24	29	34	2.34	−1.24	1.07	1.0	8	18	4	9	nw.	Richard H. Rogers.
Sussex	Sussex	450	45	47.4	−5.5	77	13	16	29	37	2.56	−0.80	1.54	T.	8	22	0	9	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	2.26	−1.80	0.70	0.2	8	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	68	51.8	−3.8	79	13	27	22	32	2.15	−0.63	0.80	0.5	8	11	10	10	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	51.7	......	80	13	25	22	31	2.40	......	0.86	1.0	7	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	53.8	−2.7	80	13†	25	22	33	2.15	−1.47	0.70	0.1	11	16	2	13	nw.	John H. Brown
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	2.32	−0.72	1.07	2.0	7	....	....	....	......	Edward H. Ladd.
Westfield	Union	145	....	......	......	......	......	......	......	....	2.29	......	1.02	T.	5	22	3	6	......	Town Engineer.
Woodbury	Gloucester	50	....	......	......	......	......	......	......	....	2.04	......	0.80	2.0	7	10	7	14	ne.	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	2.51	−0.53	1.26	......	6	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	2.61	......	1.20	2.5	5	....	....	....	......	Charles Bishop.
New York, N. Y.		10	70	53.2	−3.1	77	13	30	19	27	2.67	−0.86	1.14	T.	10	13	11	7	n.	U. S. Weather Bureau
Philadelphia, Pa.		26	69	54.3	−3.5	79	13	31	20	28	2.38	−0.43	0.77	2.2	9	11	13	7	n.	U. S. Weather Bureau.
For the State			....	51.0	−3.6	82	13	11	22	54	2.36	−1.25	1.75	0.7	8	15	7	9	n.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ, ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-11-27-40-925

Daily Precipitation for October, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.20	.41	.02					.08	T.										.15	.03					.11		.02		T.	.46		1.48
Barnegat City[4]	Coast	.15	.80	.08					.10											.16	.02					.02		.05	.01		.67		2.06
Belleplain	Tuckahoe	.08	.40	.15					T.	.19											.10					.33	T.				.52		1.77
Belvidere	Delaware		.34						.43							T.					.01					.05				.05	.87		1.75
Boonton[3]	Passaic		.11	.58			T.		T.	.40																	.04				.79	.50	2.42
Bridgeton	Delaware	T.	.93	.09					.17	.09											.23					.09					.62		2.22
Burlington	....do	T.	.77	.21					.38	.09								T.		T.	.80					.05				T.	.92		3.22
Camden[4]	Delaware	T.	.83	.02					.39											.27				T.				.22		.01	.74	T.	2.48
Canoe Brook[3]	Passaic		.08	.53						39											.04										.75	.50	2.29
Cape May[4]	Coast																																......
Charlotteburg	Passaic		.60	.30					.36	.05																.06					1.15	.07	2.59
Chatham[3]	..do		.11	.55					T.	.39							T.				.02						.03				.84	.42	2.36
Clayton	Delaware		.78						.28	.10											.27										.70		2 13
Culvers Lake	...do		.10	.21	T				.30							.05										.05					1.43	.06	2.20
Dover	Passaic		.59	.01					.44							.02				T.	T.					.06				T	1.38	T.	2.50
Egg Harbor City[2]	Mullica	.14	.57	.08					.20							.04				.14						.06		.13	T.		.66		2.02
Elizabeth	Coast	T.	.28	.08					.30	.10						.01					.04					T.					1.09	.17	2.07
Flemington	Raritan	T.	.66	.08					.48	.03											.05					.03				T.	1.11		2.44
Freehold	.do	.03	.61	25					.20							.07					.10					.03				T.	.92	.03	2.24
Hammonton	Mullica	08	.80	.06					.09	.10							.08			T	.25					.07			.23	.01	.62		2.39
Hightstown	Raritan	T.	.84	.16					.56	.08							.01				.12					.05				T.	.90	.02	2.74
Indian Mills	Mullica	.02	.70	.09					.10	.08						01				T.	.25					.08			.12	T.	.74		2.19
Jersey City	Coast	T.	.68	.11	T.				.36	.09				T.		.02	T.				.04					.01					1.23	.05	2.59
Lakewood	Metedeconk	.09	.60						.20	.18						.02					.15					.04				T.	1.02	.02	2.32
Lambertville(nr).	Delaware																																......
Layton(near)	....do		.29	.30					.27												T.					.12					1.75	.06	2.79
Little Falls[3]	Passaic		.20	.69	.02				.01	.39							.01				T						.03				.93	.35	2.63
Long Branch[2]‡	Coast	.11	72	.13					.29	.01						.05				.13						.03				.05	.99	T.	2.51
Long Valley[3]	Raritan		*	.50					.02	.43							.66				T.						05				.50	.50	2.66
Moorestown[3]	Delaware		.81							.40							.03				.25						.04		.09		.28	.47	2.37
Newark[4]	Coast	.01	.60	.03					.37							.01				.03	T.					01				.19	1 07		2.32
New Brunswick	Raritan	T.	.82	.06					.40	.13						T					05					T.					.92	.11	2.49
New Milford[2]‡	Hackensack		.90	.08					.30							.02										02				.12	1.19		3.63
Newton	Delaware		.34	.11	T.		.02		.28	T.						T.				T.	.02					.10					1.08	.02	1.97
N. Merchantville[2]‡	Delaware	T.	.86	.01					.40							T.				.25	.01					.05		.12	.13	.03	.75		2.61
Orange[2]‡	Rahway		.51						.40																				.01	*	1.22	.01	2.15
Paterson[3]	Passaic		.88	.02					.39							02				T.						.02				.21	.98	.01	2.53
Pemberton	Delaware	T.	.75	.14					.21	.08						.09				T.	.19					.04			.08	T.	.87	T.	2.45
Phillipsburg	....do		.58	.08					.35							T.				T.	.09					.05				.15	.77		2.07
Plainfield	Raritan	T.	.80	.02	T.				.44	T.						T.					.07					.04				.01	1.17	.03	2.58
Pleasantville[3]	Coast	.14	.35	.10	T.					.15											.07						.13		.03		.08	.50	1.55
Rahway[3]‡	Rahway		.55	.53						.40											T.										.75	.43	2.66
Ridgefield[2]	Hackensack	T.	.73	.14					.40							T.				T.						.02				.02	1.32	.03	2.66
Runyon	Coast		1.09	.12					.45	.15											.11					.06					1.08	.05	3.11
Sandy Hook[1]‡	Coast		.87	.03					.25							T.				.09	.01					.04				.05	1.11	T.	2.47
Somerville(near)	Raritan		.51	.13					.45	.02						T.	T				.08					.02					1 07	.06	2.34
Sussex	Hudson		17	.39					.30							.02				T.	T.	T.			.01	.05					1.54	.08	2.56
Toms River	Coast	.03	.70	.25					.21							15					.02					.70					.20		2.26
Trenton[1]‡	Delaware	T.	.77	.01					.45							T.		T.		.05	.03	T.				.04		T.	T.	.03	.77		2.15
Trenton No. 2[2]	Delaware	T.	.82	.02					.51											.11	T.	T.				.06			T.	.02	.86		2.40
Tuckerton	Coast	.26	.57	.12						.24						.02					.01					.06	.07		.08		.70	.02	2.15
Vineland[3]	Maurice	02	1.07							.28											.23						.08				.23	.41	2.32
Westfield[3]‡	Rahway		.30	.55						.42											T.					T.					.80	.22	2.27
Woodbury	Delaware			.13					.40							.10					.25					.12		.24			.80		2.04
Woodcliff Lake[2]‡	Hackensack		.77	.09					.31																	.02				.06	1.26		2.51
Woodstown	Delaware	1.20					.37									T.				T.	.25			T.		.09				T.	.70	T.	2.61
New York, N. Y[1]‡	Coast	T.	.85	.06				T.	.49					T.		.02				.04	.01					.01				.10	1.08	.01	2.67
Phila., Pa[1]‡	Delaware	T.	.70	.01					.39							T.				.23	.05	T			T.	.05		.17	.01	T.	.77		2.38

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	*	.002	.096	.056	096	.032	.064	.006	.096	.080	.064	.096	.048	.160	.096	.048	.064	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
	Wind movement	3	1	4	1	4	5	5	0	2	3	2	1	8	5	16	6	4	21	1	3	9	17	1	4	0	11	7	5	3	1	1	154
Pleasantville[3]	Evaporation	.030	.004	064	.112	.128	.064	160	.070	.096	.064	096	.080	.096	.080	.192	.096	.096	.128	*	*	.022	.080	.096	.048	.066	.160	.030	.096	.000	.020	.096	2.370
	Wind movement	85	56	34	29	28	85	106	40	43	25	30	22	43	63	118	70	32	87	63	27	61	32	86	36	18	44	50	39	21	37	23	1533
Runyon	Evaporation	.080	.010	020	.080	.080	.100	120	.050	.070	.080	.080	.120	080	.090	.120	.120	.080	.080	.060	.030	.060	*	*	.040	.060	.060	.060	.060	.060	.080	.050	2.080
	Wind movement	38	46	14	12	12	15	23	21	10	9	8	18	18	18	35	34	36	37	18	21	17	20	12	18	17	13	11	11	11	13	11	597

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for October, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	59	58	71	63	65	66	69	70	62	61	68	69	69	67	70	53	56	57	44	49	57	49	62	72	58	65	55	51	51	57	57	60.6
	Minimum	54	50	54	54	49	59	63	57	52	47	46	55	59	58	49	44	46	39	33	34	35	30	42	57	47	43	36	39	35	47	43	47.0
Barnegat City‡	Maximum	61	61	69	61	65	72	69	69	61	61	65	68	74	71	71	57	55	65	43	49	55	49	63	76	57	63	56	49	50	55	55	61.1
	Minimum	53	50	53	52	46	50	60	55	50	47	45	52	55	58	48	47	44	38	32	35	33	30	37	50	44	41	36	38	33	46	42	45.2
Belleplain	Maximum	59	56	71	67	68	74	79	72	66	65	70	74	79	72	78	70	61	57	50	48	57	50	67	74	69	64	58	51	51	56	60	64.3
	Minimum	47	47	50	44	33	40	55	50	47	39	32	40	51	49	54	38	43	31	21	19	55	17	24	50	42	35	24	39	27	40	33	39.2
Belvidere	Maximum	62	58	73	68	70	70	77	71	68	67	72	76	80	75	70	53	60	55	45	49	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	46	49	49	44	38	44	52	56	40	35	35	43	44	42	47	32	33	35	28	26	....	20	....	....	....	....	....	....	....	....	....	......
Boonton§§	Maximum	58	57	69	64	66	69	76	62	65	66	71	74	77	70	74	55	56	52	43	48	45	50	62	71	53	57	53	49	54	49	50	60.2
	Minimum	47	51	51	42	34	39	52	57	45	41	35	41	44	40	47	32	32	32	29	29	35	21	25	35	35	32	26	28	21	24	32	36.6
Bridgeton	Maximum	62	58	70	67	70	74	78	67	65	65	70	75	80	75	79	53	58	51	45	45	56	51	68	75	66	64	54	52	52	55	60	63.2
	Minimum	48	49	51	45	40	46	54	55	48	43	38	47	49	55	53	40	42	38	28	30	31	26	30	50	40	45	32	38	31	43	37	42.0
Burlington	Maximum	61	59	72	69	71	74	80	74	64	65	70	76	82	74	78	57	56	56	50	47	51	50	66	76	71	62	56	52	52	49	55	63.7
	Minimum	49	49	52	49	39	46	49	56	48	43	38	47	50	52	53	38	42	40	32	32	32	25	30	52	39	34	33	38	28	42	38	41.8
Canoe Brook§§	Maximum	57	56	66	64	68	72	75	59	65	67	70	73	76	68	73	53	57	55	43	49	47	55	64	73	53	59	55	51	53	60	54	61.0
	Minimum	42	49	49	39	33	45	55	57	42	41	30	40	45	36	45	28	30	29	25	27	27	16	21	43	29	28	20	22	15	35	30	34.6
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	64	58	68	68	67	71	74	71	63	65	70	75	78	74	70	75	54	58	48	49	47	49	69	71	68	56	54	48	54	60	48	62.7
	Minimum	42	47	47	39	28	42	51	53	39	33	28	41	43	41	45	21	24	27	23	23	30	11	22	51	30	39	43	21	14	31	37	34.4
Clayton	Maximum	62	57	69	68	69	72	78	69	64	64	70	75	79	74	78	58	57	57	49	47	54	51	66	77	68	63	59	51	51	51	50	63.1
	Minimum	45	47	50	47	37	44	51	53	46	41	38	42	44	50	49	38	37	35	35	39	29	22	26	51	40	35	28	36	25	34	32	39.5
Dover	Maximum	66	57	66	61	....	68	73	65	62	62	68	73	76	67	72	60	53	51	43	47	46	48	63	70	52	56	52	47	51	46	50	59.0[a]
	Minimum	43	49	50	41	34	49	55	54	44	37	36	46	49	43	44	32	30	31	27	25	30	21	28	42	34	37	30	28	19	37	38	37.5
Elizabeth	Maximum	64	58	75	75	72	74	80	72	70	70	80	78	81	73	78	61	60	61	48	52	51	53	71	78	63	65	60	56	57	52	51	65.8
	Minimum	47	48	50	40	35	43	48	54	44	38	35	44	54	44	46	34	39	35	25	29	29	22	24	45	52	33	26	27	23	29	36	38.0
Flemington	Maximum	59	60	70	67	70	73	79	73	66	66	74	79	82	75	76	56	60	55	50	48	48	53	65	76	70	61	56	54	54	49	56	63.9
	Minimum	49	48	52	47	38	47	53	57	48	44	39	47	47	45	50	37	38	36	30	30	34	22	28	46	39	35	27	35	24	38	39	40.3
Freehold	Maximum	57	58	65	64	69	72	80	67	65	65	70	75	79	69	77	52	55	54	44	48	49	49	65	73	60	60	54	49	53	52	59	61.5
	Minimum	49	48	51	48	40	47	52	54	46	39	39	47	49	49	52	36	41	36	28	29	31	22	31	51	40	36	27	35	23	40	41	40.5
Hammonton	Maximum	64	55	70	67	70	73	80	69	67	66	72	77	81	76	78	59	58	57	43	49	55	54	68	78	65	64	55	53	52	54	59	64.1
	Minimum	47	49	49	47	36	45	52	55	48	41	36	47	51	50	50	34	39	36	26	30	30	23	28	54	39	36	28	37	23	41	35	40.1
Hightstown	Maximum	59	56	70	63	69	71	79	68	65	65	69	75	78	72	76	53	56	55	45	48	49	49	64	74	63	60	54	50	53	49	54	61.6
	Minimum	47	48	51	47	37	46	51	54	46	39	36	48	50	48	48	35	39	34	28	30	33	22	31	51	36	35	27	37	22	39	36	39.7
Indian Mills(near)	Maximum	62	56	70	66	69	71	79	67	65	66	71	76	80	73	78	54	58	56	46	47	53	52	66	77	62	62	53	50	54	53	57	62.9
	Minimum	46	49	52	46	34	46	52	55	47	38	34	45	50	50	52	37	39	38	20	30	30	19	26	52	34	33	24	33	18	42	32	38.8
Jersey City	Maximum	60	58	71	71	65	72	76	71	65	66	73	74	80	76	74	61	54	52	48	49	48	51	65	74	68	60	56	53	55	51	52	62.9
	Minimum	49	52	54	49	46	55	58	57	49	45	44	50	51	55	60	42	42	44	31	33	41	29	34	50	47	45	38	34	32	43	42	45.2
Lakewood	Maximum	59	57	70	64	67	72	79	67	65	62	69	74	79	70	79	54	55	57	47	40	52	51	67	76	63	63	58	52	54	54	55	62.3
	Minimum	50	49	52	47	41	45	50	56	46	42	35	47	51	47	49	37	44	34	29	31	30	21	28	54	37	34	27	38	23	41	43	40.6
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum	63	55	69	66	65	67	72	67	64	65	70	75	78	71	72	51	66	52	46	50	43	50	64	70	51	55	62	48	53	42	48	60.3
	Minimum	39	46	44	43	34	44	55	54	33	32	32	40	40	33	45	27	24	28	21	19	29	15	23	42	28	36	21	18	14	35	38	33.3
Little Falls§§	Maximum	59	60	72	65	70	71	78	61	66	66	73	76	80	70	75	55	57	55	48	49	48	51	65	75	53	60	55	52	55	48	50	61.9
	Minimum	47	50	50	42	35	48	55	58	45	39	35	44	46	42	48	35	34	33	26	29	36	21	27	45	33	32	26	27	20	39	35	38.1
Long Branch*	Maximum	58	56	70	62	65	71	74	67	64	63	70	70	80	64	80	50	53	56	41	46	49	50	68	74	58	60	56	50	49	54	55	60.7
	Minimum	51	50	53	43	41	49	53	55	50	47	40	53	55	51	46	43	38	37	31	32	33	27	33	48	44	38	31	38	31	42	41	42.7
Long Valley§§	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Moorestown	Maximum	60	56	71	69	68	71	78	65	64	65	71	76	78	73	76	52	56	55	43	46	52	49	65	75	59	63	53	50	48	47	57	61.6
	Minimum	49	49	50	42	38	48	50	54	45	43	39	50	51	50	51	38	41	36	29	30	27	23	31	43	38	36	32	29	24	41	34	40.0
Newark‡	Maximum	59	58	70	64	69	72	76	65	65	65	71	76	80	70	77	52	55	54	45	49	48	50	65	75	55	59	55	50	53	50	51	61.4
	Minimum	47	50	53	46	42	50	53	55	49	45	42	49	50	53	43	39	40	36	31	32	32	30	33	51	42	39	31	33	30	40	41	42.2
New Brunswick	Maximum	59	58	70	67	68	70	78	71	64	66	70	75	79	72	75	53	57	56	50	46	48	50	64	74	69	59	54	50	53	50	53	62.2
	Minimum	48	49	52	48	38	48	51	55	47	41	39	48	50	51	50	37	41	36	31	31	33	24	32	52	39	38	29	34	27	39	39	41.2
Newton	Maximum	58	54	68	65	68	70	74	66	64	66	71	75	78	74	70	50	55	53	45	50	50	53	64	71	64	68	55	55	58	55	45	61.7
	Minimum	42	44	47	39	35	47	52	52	39	35	35	43	49	41	42	30	30	31	23	22	22	19	28	46	46	42	26	42	23	20	33	36.3
N. Merchantville*	Maximum	61	57	72	66	70	72	78	64	65	65	72	76	80	75	76	54	55	55	39	46	53	49	66	76	60	63	54	52	52	49	58	62.3
	Minimum	49	49	52	46	43	50	52	54	49	45	43	51	53	53	44	40	42	37	31	31	32	29	35	54	42	39	33	36	30	42	38	42.7
Paterson§§	Maximum	60	57	72	68	70	72	79	61	70	69	75	78	81	72	76	57	60	55	46	51	47	53	65	74	55	60	57	53	56	49	56	62.8
	Minimum	48	51	51	47	40	44	55	58	48	43	39	46	50	46	51	38	37	36	29	32	35	25	30	41	37	38	30	30	24	31	37	40.2
Pemberton	Maximum	60	58	72	66	71	73	81	73	66	67	72	78	81	74	78	55	58	56	49	50	54	52	67	75	66	64	55	63	55	52	58	64.5
	Minimum	47	49	53	47	37	47	52	55	48	43	37	45	48	50	51	39	41	35	27	30	31	23	32	52	39	33	29	38	25	42	36	40.7
Phillipsburg	Maximum	59	54	69	62	65	66	73	65	63	61	66	71	74	67	68	50	53	50	40	45	44	45	60	69	59	55	50	48	48	43	51	57.8
	Minimum	47	49	50	45	38	48	52	55	40	40	39	44	43	44	44	34	36	38	31	28	30	22	28	41	41	33	27	31	21	35	40	38.5
Plainfield	Maximum	60	55	72	65	70	72	79	65	67	67	73	78	80	70	75	54	59	54	44	49	49	51	64	74	58	61	55	52	54	50	52	62.2
	Minimum	49	51	53	47	37	48	51	57	48	43	38	47	47	47	47	37	40	36	29	30	34	24	30	51	42	32	28	32	28	40	39	40.7
Pleasantville§§	Maximum	61	56	72	67	68	70	73	70	67	65	73	75	80	70	76	76	59	58	46	50	58	52	66	77	65	66	57	53	54	59	60	64.5
	Minimum	51	49	49	45	33	43	58	58	49	40	33	46	50	53	57	39	39	31	25	31	28	21	26	49	42	35	25	39	23	35	34	39.9
Ridgefield*	Maximum	58	56	70	64	68	70	75	65	65	66	72	75	80	70	75	53	55	55	43	45	47	51	65	74	54	59	55	51	53	49	50	60.9
	Minimum	48	52	52	47	39	51	54	54	48	42	39	49	52	47	42	39	38	38	29	32	29	26	35	52	40	37	31	28	26	40	39	41.1
Runyon	Maximum	64	60	73	72	68	72	80	69	69	72	71	75	79	72	78	57	55	52	48	49	51	49	54	....	64	64	65	56	54	54	52	63.3[a]
	Minimum	48	52	40	38	30	39	51	40	38	39	30	39	38	34	40	34	33	29	26	30	30	12	23	46	38	27	23	23	15	36	37	34.1
Sandy Hook*	Maximum	60	59	68	61	65	70	72	66	63	63	67	71	76	65	76	50	52	54	41	47	49	48	63	69	56	58	54	49	49	54	52	59.6
	Minimum	51	50	55	54	50	54	55	55	54	53	51	55	55	57	49	43	45	39	34	35	36	34	40	54	48	44	40	39	39	43	44	46.9
Somerville(near)	Maximum	57	57	70	78	67	70	76	65	64	64	69	75	78	70	73	55	56	55	45	47	45	50	63	72	57	58	54	49	55	47	52	61.1
	Minimum	45	48	48	44	41	47	54	55	45	39	39	49	49	45	47	32	36	36	26	27	31	25	32	49	39	39	29	29	24	38	38	39.5
Sussex	Maximum	60	56	69	65	63	68	71	68	64	64	68	74	77	70	69	51	54	52	45	50	49	49	63	71	60	51	53	48	53	45	49	59.6
	Minimum	43	49	48	36	32	47	54	55	39	32	32	41	47	39	45	32	27	30	23	24	33	17	26	43	31	31	23	20	16	36	39	35.2
Trenton*	Maximum	58	58	70	63	67	70	78	65	64	63	69	75	79	71	76	50	54	53	41	46	48	48	64	74	55	59	53	49	52	48	54	60.5
	Minimum	49	49	53	49	44	51	54	55	49	45	45	51	52	53	44	39	42	38	31	31	33	27	35	52	45	40	35	35	31	41	41	43.2
Trenton No. 2*	Maximum	60	56	71	67	69	71	78	65	66	65	70	75	80	73	77	54	58	55	42	47	50	50	65	75	60	61	54	51	53	48	54	61.9
	Minimum	48	49	52	48	39	49	53	55	47	43	41	49	50	50	48	37	39	38	30	32	31	25	34	51	40	37	32	35	27	40	38	41.5
Tuckerton	Maximum	60	59	72	70	68	70	71	70	68	65	73	74	80	69	70	65	58	60	54	50	54	50	65	80	75	65	60	54	53	60	58	64.5
	Minimum	52	50	54	55	40	43	58	58	48	43	40	46	50	53	55	38	45	35	28	30	32	25	32	53	48	38	32	38	28	45	40	43.0
New York, N. Y.*	Maximum	60	59	70	63	67	69	74	66	65	65	70	75	77	70	74	54	55	52	46	49	47	50	63	73	58	58	54	50	55	53	52	61.1
	Minimum	50	52	51	49	49	54	57	55	49	48	49	54	54	56	47	42	43	38	30	34	34	31	39	54	47	42	38	35	36	41	42	45.2
Philadelphia, Pa.*	Maximum	60	57	72	67	68	71	78	68	67	67	73	76	79	74	74	53	55	55	41	47	51	48	65	76	61	63	53	54	50	51	59	62.4
	Minimum	51	50	55	53	50	54	57	55	51	48	49	55	54	58	46	42	44	39	31	31	36	33	39	54	48	44	40	41	36	44	43	46.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLV. NOVEMBER, 1940. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Temperature averages at the various stations throughout the State were very near normal for November. There were also no unusual extremes of heat or cold during the month, the highest temperature recorded being 76° on the 5th and 22d, and the lowest 10° on the 26th. The rather equable temperature in New Jersey was in marked contrast to conditions in the middle and western part of the country which were visited by a severe cold wave during the second decade of the month with temperatures far below zero. The cold penetrated the deep South and in some sections was record breaking for November.

There was an excess of cloudiness and days with precipitation. The average total precipitation for the State, 4.66 inches, is 146 percent of normal. There were heavy rains on the 2d, a rainy period from the 11th to 15th, and moderately heavy rains on the 26-27th, also light rains on several other days. Measureable snowfall was confined to the north half of the State and practically all occurred on the 26th and 27th. It was accompanied by some sleet and was generally followed by rain. Precipitation for the fall months this year, in contrast to last year, was well above normal. Consequently soil moisture was adequate for all purposes. Fall sown grains and grasses germinated readily and entered the winter in good condition. Also the autumn weather was sufficiently favorable for the harvesting of matured crops. There were no destructive storms this month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 43.5°, which was 0.2° below normal. The highest temperature was 76° at Pleasantville on the 5th and Elizabeth on the 22d, and the lowest, 10°, at Layton on the 26th and 29th. The greatest daily range of temperature was 47° at Canoe Brook on the 22d. The highest monthly mean temperature was 47.4° at Atlantic City, and the lowest, 39.9° at Layton and Newton.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 53 stations, was 4.66 inches, which was 1.46 inches above normal. The average total snowfall at 22 selected stations was 1.0 inch, which was 0.3 inch below normal. The greatest monthly precipitation was 5.62 inches, at Pleasantville, and the least, 3.60 inches at Charlotteburg. The greatest amount of precipitation in any 24 consecutive hours was 1.94 inches at Moorestown on the 1st-2d.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +3.26 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 22.
THUNDERSTORMS: 6.
SLEET: 12, 13, 26, 27.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	Percentage of sunshine
Atlantic City	30.15	30.68	19	29.55	27	16.4	43	e.	26	77	61	69	49
Long Branch	30.11	30.69	19	29.60	27	14.1	47	nw.	28	75	56	67	34
Ridgefield	30.10	30.65	19	29.66	27	...	....	..	....	....	...	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	30.12	30.68	19	29.66	27	9.3	26	nw.	12	76	58	66	37

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	......	......	......	......	......
1886	44.5	73	17	4.49	......	......	......	......	......
1887	41.5	72	13	1.94	......	6	......	......	......
1888	45.8	77	8	3.97	......	10	......	......	......
1889	45.7	69	13	8.48	......	13	......	......	......
1890	43.8	74	11	0.82	......	8	13	12	5
1891	42.2	70	6	2.39	......	4	12	10	8
1892	41.9	71	12	7.29	......	11	8	9	13
1893	41.8	70	11	3.48	......	7	10	11	9
1894	40.3	76	11	3.34	......	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.65	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0.96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
1938	45.6	80	−7	3.42	12.6	12	14	6	10
1939	41.5	78	12	1.86	0.2	4	17	6	7
1940	43.5	76	10	4.66	1.0	10	8	7	15
Period	43.7	83	−7	3.20	1.3	8	12	8	10

Climatological Data for November, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	47.4	+1.8	66	22	26	26	23	4.82	+2.00	1.46	0	9	6	10	14	w.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	45.8	......	70	22	26	26	22	4.81	+0.82	1.08	0	10	4	13	13	w.	U. S. Coast Guard.
Belleplain	Cape May	49	46	44.7	−0.1	70	5†	17	19	35	4.97	+2.43	1.02	0	7	9	12	9	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	40.2^{e}	−1.2	65	22	19	26	26^{a}	5.49	+2.30	1.68	2.2	10	9	1	20	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	41.4	0.0	69	5	16	26	37	4.54	+1.53	1.12	......	9	7	2	21	nw.	John Kline.
Bridgeton	Cumberland	30	57	45.8	+0.1	73	5	23	26†	32	5.20	+2.60	1.36	0	10	13	8	9	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	45.2	−0.5	71	5	22	26	28	4.72	+1.74	1.35	T.	8	14	3	13	nw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	......	4.42	......	1.09	T.	11	9	11	10	......	Central Airport, Inc
Canoe Brook‡‡	Essex	180	10	41.2^{a}	−0.5	74	22	13	26	47	4.19	+0.67	1.44	......	9	8	8	14	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	40.8	+0.1	75	5	14	26	37	3.60	−0.02	1.62	0.2	7	10	5	15	e.	Newark Water Dept.
Chatham	Morris	185	36	......	......	......	......	......	......	......	4.60	+1.16	1.06	2.0	10	7	8	15	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	44.7	+0.3	70	22	22	19	32	5.38	+2.66	1.54	0	7	10	1	19	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	......	5.29	+2.19	1.68	3.0	8	......	......	......	......	L. S. Depue.
Dover	Morris	600	56	41.2	+0.5	72	5	18	26	30	5.38	+1.83	1.64	3.5	13	3	7	20	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	......	4.79	+1.09	1.09	0	9	16	4	10	......	Chas. E. Hall.
Elizabeth	Union	34	61	44.0	+0.1	76	22	19	26†	36	4.00	+1.08	1.13	1.8	8	11	3	16	ne.	Union County Park Comm
Flemington	Hunterdon	140	§64	44.0	+0.4	71	5†	20	26	34	4.95	+2.00	1.55	0.5	10	10	9	11	w.	Hiram E. Deats
Freehold	Monmouth	194	§36	43.6	......	69	5	18	26	27	4.66	+0.83	1.19	T.	8	15	8	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	45.4	......	72	5†	20	26	32	5.05	+2.01	1.13	T.	8	9	11	10	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	43.6	−0.2	68	22	20	26	30	4.06	+1.15	1.00	0.5	8	6	13	11	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	44.4	+0.5	72	22	18	19	33	4.70	+1.70	1.17	T.	9	6	14	10	nw.	Edward Entwistle.
Jersey City	Hudson	81	42	47.1	+2.2	72	5	23	26	24	4.13	+1.13	1.04	2.2	8	4	7	19	nw.	Jersey Journal.
Lakewood	Ocean	54	36	44.5	+0.7	72	5	19	26	32	5.22	+2.13	1.10	T.	8	6	6	18	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Wm. J. Lauderdale.
Layton (near)‡‡	Sussex	480	39	39.9	+0.4	72	5	10	26†	40	4.60	+1.53	1.47	4.9	8	3	3	24	ne.	A. M. Depue.
Little Falls	Passaic	157	37	42.9	−0.2	73	5	19	26	33	4.80	+1.40	1.42	2.1	13	6	11	13	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	44.4	0.0	73	5	24	29	28	5.49	+1.93	1.32	T.	11	3	4	23	w.	Storm Warn. Display Sta
Long Valley	Morris	660	10	40.5^{c}	......	66	22	18	28	33	4.75	......	1.50	3.0	7	10	6	14	w.	Arthur Barkman.
Moorestown	Burlington	62	77	43.8	+0.7	70	5†	21	26	29	5.57	+2.66	1.94	T.	10	4	12	14	nw.	Japanese Beetle Laboratory
Newark	Essex	10	41	43.6	−0.2	70	5	23	26	29	3.76	+0.67	1.11	1.5	11	4	8	18	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	44.0	+0.3	71	22	20	26	31	4.12	+1.28	0.98	1.0	8	7	9	14	w.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	......	4.26	+1.15	1.11	......	12	......	......	......	......	Hackensack Water Co
Newton	Sussex	769	57	39.9	−1.0	72	5	14	26	31	5.23	+2.16	1.45	5.5	15	6	3	21	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	45.2	......	72	22	22	26	28	4.58	......	1.20	T.	13	2	14	14	nw.	A. Reuleaux Heintze.
Orange	Essex	140	......	......	......	......	......	......	......	......	4.38	......	1.53	......	10	......	......	......	......	H. J. Finley.
Paterson	Passaic	95	69	43.0	−0.8	74	5	21	26	36	4.18	+1.06	1.63	1.8	12	12	4	14	nw.	J. W. Cook.
Pemberton	Burlington	55	10	45.6	−0.6	71	5	22	26	35	4.67	+1.57	0.99	0	11	11	7	12	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	41.1	−0.8	69	5	20	26	31	4.86	+2.03	1.56	2.0	11	6	10	14	......	Town Engineer.
Plainfield	Union	120	52	43.9	+1.0	70	5	22	26†	32	4.41	+1.36	1.23	1.9	12	5	7	18	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	45.4	+0.4	76	5	19	29	38	5.62	+2.80	1.49	......	9	15	8	7	nw.	N. J. Water Policy Comm.
Rahway	Union	20	......	......	......	......	......	......	......	......	3.89	......	0.90	2.0	8	8	10	12	......	Norman C. Wittwer.
Ridgefield	Bergen	80	23	42.9	−0.1	70	5	21	26	28	4.43	+1.59	1.02	1.7	11	4	8	18	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	40.8	−2.0	70	22	15	19†	44	4.35	+1.16	0.97	......	9	14	9	7	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	U. S. Weather Bureau
Somerville (near)	Somerset	385	57	42.4	−0.4	70	5	15	26	28	4.42	+1.45	1.03	1.6	9	5	8	17	nw.	Richard H. Rogers.
Sussex	Sussex	450	45	41.4	0.0	71	5	14	26	33	4.80	+1.98	1.59	2.3	10	8	5	17	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	......	5.54	+2.02	1.70	0	7	......	......	......	......	Robt. F. Snyder.
Trenton	Mercer	56	68	44.3	−0.1	71	22	23	26	26	3.96	+1.23	1.02	T.	11	3	7	20	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	43.9	......	71	22	20	26	27	4.64	......	1.07	0.3	11	......	......	......	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	46.6	+1.2	73	22	20	26	31	5.02	+2.02	1.12	0	8	15	3	12	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	......	4.93	+2.27	1.22	0	10	......	......	......	......	Edward H. Ladd.
Westfield	Union	145	......	......	......	......	......	......	......	......	4.18	......	1.34	2.0	8	9	10	11	......	Town Engineer.
Woodbury	Gloucester	50	......	......	......	......	......	......	......	......	4.10	......	1.02	......	9	1	9	20	sw.	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	......	4.46	+1.37	1.24	......	11	......	......	......	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	......	4.27	......	1.02	......	9	......	......	......	......	Charles Bishop.
New York, N. Y.	......	10	70	44.8	+0.6	68	5	24	26	20	3.91	+0.95	1.12	1.6	12	4	7	19	nw.	U. S. Weather Bureau
Philadelphia, Pa.	......	26	69	46.4	+0.7	71	22	25	26	24	4.24	+1.54	1.22	T.	12	2	12	16	n.	U. S. Weather Bureau.
For the State	......	......	......	43.5	−0.2	76	5†	10	26†	47	4.66	+1.46	1.94	1.0	10	8	7	15	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record, Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record: temperature record is much shorter.

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-8-40-925

Daily Precipitation for November, 1940

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.	.62				.02					T.	1.02	1.00	.94	.06							T.		.15		.37	.64		T.			4.82
Barnegat City[4]	Coast	.01	.65									.04	.93	1.08	.91	.04								T.	.16		.92	.07			T.		4.81
Belleplain	Tuckahoe		.88										.92	.96	.67	.26									.26		T.	1.02					4.97
Belvidere	Delaware		1.68									.11	.92	.28	.90	.43									.27			.80		.04	.06		5.49
Boonton[3]	Passaic	T.	.97	.44			.04						.35	.56	.46	1.12		T.					T.		.10			.50		T			4.54
Bridgeton	Delaware		1.36	.04								T.	.59	.67	.78	.24	.04								.28		.28	.92					5.20
Burlington	do		1.04				.50						.40	.34	.90	T.							.02		.17		T.	1.35		T.			4.72
Camden[4]	Delaware	.34	.68				.01	T.	T			.01	.50	.50	1.04	.05	T.						T.	.07	T		1.09	.13		T.	T.		4.42
Canoe Brook[3]	Passaic		.97	.47								.03	.37	.43	.70	1.06									.12			.04					4.19
Cape May[4]	Coast																																
Charlotteburg	Passaic		1.62										.01	.24	63	.74									.08			.28					3.60
Chatham[3]	do		.91	.41			.02						.34	.49	.63	1.06	.01	T.					T.	T.	.12	T.		.61					4.60
Clayton	Delaware		1.54										.51	.74	.84	.27									.25			1.26					5.38
Culvers Lake	do		1.68									T.	1.05	.29	.53	.90	T.								.13			.66		T.	.05		5.29
Dover	Passaic	*	1.64				.04					.10	1.16	.22	1.13	.28		T.					.01		.12		*	.63		.05			5.38
Egg Harbor City[2]	Mullica	.02	.64										1.03	1.04	.73	.05							T.	T.	.19		.70	.39					4.79
Elizabeth	Coast		1.13				.05					T.	.52	.20	.82	.50		T.							.12			.66	T				4.00
Flemington	Raritan		1.55				.03					.02	.74	.19	.94	.63	T.	T.			T.		.01		.13			.71		T.			4.95
Freehold	do		.72				.08						.64	.61	80	.44		T							.18			1.19					4.66
Hammonton	Mullica		1.09				.04						.84	.70	.76	.27		T.					T.		.22		T.	1.13		T.			5.05
Hightstown	Raritan		85				.03					T.	.54	.33	.86	.33		T.					T.		.12			1.00	T.	T.			4.06
Indian Mills	Mullica		1.02				.01					T.	.62	.64	76	.26	T.						T		.22	T.	.16	1.01		T.			4.70
Jersey City	Coast		.95				.02					T.	.54	.24	1.04	.54	T.	T.					T		.10			.70	T.	T.	T.		4.13
Lakewood	Metedeconk		1.10				.08						.85	.75	.81	.35		T.					T.		.22		T.	1.06					5.22
Lambertville(nr.)	Delaware																																
Layton(near)	do		1.47									.03	.65	.28	.65	.86		T							.13			.53		T.	T.		4.60
Little Falls[3]	Passaic		.93	.49			.04						.60	.25	.60	1.09	.01	T.					.01		.10	.01		.66	.01				4.80
Long Branch[2]‡	Coast	.02	1.04			T.	.05					.04	.86	1.10	1.03	.08	T.	T.					T.		.17		.56	.54	T.	T.	T.		5.49
Long Valley[3]	Raritan		1.50			.08						.55	.57	.35	1.10	T.	T.		T.			T.		T.				.60					4.75
Moorestown[3]	Delaware		1.40	.54			.05						.41	.42	.44	.96							T.		.18	.03		1.14					5.57
Newark[4]	Coast	.06	.84			T.	.04		T.		T.	.11	.34	.41	1.11	.08		T.			T		T.	T.	.12		.59	.06	T.	T.	T.		3.76
New Brunswick	Raritan		.98				.03					T.	.58	.23	.81	.48		T.			T		T.		.13			.88		T			4.12
New Milford[2]‡	Hackensack	.04	1.11				.02					.08	.76	.35	1.01	.13									.10		.43	.21			.02		4.26
Newton	Delaware		1.45	T.			.03	.02	T.		.03	.03	.91	.22	.75	.84	T.	.01	T.				.05		.12			.65	T.	.04	.08		5.23
N. Merchantville[2]‡	Delaware	.05	.99			T.	.05					T.	45	.50	1.05	.07	T.	.01					.01	.01	.19		1.13	.07		T.	T.		4.58
Orange[2]‡	Rahway	04	1.49									.12	.66	34	.89	.07									.12		.59	.06	T.	T.			4.38
Paterson[3]	Passaic	.06	1.57	T.			.05	T				.09	.62	.35	.86	.07	T.	T.					T		.09		.27	.12	T.		.03		4.18
Pemberton	Delaware		.99	.08									.62	.66	.81	.26	T.						.01		.25	.01	.02	.96		T			4.67
Phillipsburg	do	.04	1.56				T.		T.		T.	.10	.87	.24	1.09	.15	T.	T.	T.				T.	.04	.17		.45	.15	T.	T.	T.		4.86
Plainfield	Raritan		1.23				.05		T.			02	.66	.22	1.18	19	T.	.01			T.		.02		.13	T	.14	.56	T.	T.	T.		4.41
Pleasantville[3]	Coast		.48	.35									.45	1.49	.88	.70	T.								.09	.10		1 08			T.		5.62
Rahway[3]‡	Rahway		.60	.40									.15	.35	.50	.89								T.	.10	T.		.90					3.89
Ridgefield[2]	Hackensack	T.	1.02				T.					.03	.80	.22	.73	.63	.02	T.					.02		.13		.17	.66	T.		T.		4 43
Runyon	Coast		.88			.05							.71	.30	.81	.44							.04		.15			.97					4.35
Sandy Hook[1]‡	Coast																																
Somerville(near)	Raritan		1.03				T.						.78	.23	.96	.58					.01		.02		.11			.70					4.42
Sussex	Hudson		1.59				.01	T.				T.	.75	.30	.63	.83		.01					.01		.10			.57		T.	T.		4.80
Toms River	Coast		.76										1.70	.46	.75	34									1.25			.28					5.54
Trenton[1]‡	Delaware	.04	.93				.06		T			.01	.45	.37	.97	.05	T.	T.	T.				T.	T.	.13		.74	.21	T.	T.	T.		3.96
Trenton No. 2[2]	Delaware	.13	.92				.08					.06	.66	.45	1.04	.09		T.					T.		.14		.83	.74		T.	T.		4.64
Tuckerton	Coast		.65										.94	1.12	.52	.54									.18	.02		1.05					5.02
Vineland[3]	Maurice		.83				.29						.07	1.22	.58	.66	.01								.12	.07		1.08					4.93
Westfield[3]‡	Rahway		.78	.56										.51	.06	.58	.94								.11			.64					4.18
Woodbury	Delaware		1.02									10	.49	.24	.73	.34									.21		.17	.80					4.10
Woodcliff Lake[2]‡	Hackensack	.04	1.24									.08	.76	.39	1.08	.13									.09		.36	.27			.02		4.46
Woodstown	Delaware	T.	1.02			T.						T.	.46	.56	.96	.34									.20	.20	.16	.37					4.27
New York, N. Y[1]‡	Coast	.01	.90				.01				T.	.09	.42	.45	1.01	.11	T	T.					.01		.12		.45	.33	T.	T.	T.		3.91
Phila., Pa[1]‡	Delaware	.04	.92				.03					.01	.27	.42	1.09	.05	T	T.					T.	.01	.18		1.09	.13		T.	T.		4.24

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

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Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement.	9	16	24	13	*	85	33	25	4	5	31	5	5	2	7	34	42	16	7	22	13	6	3	6	14	34	19	21	15	10		526
Pleasantville[3]	Evaporation	.000	.030	.080	.096	.080	.192	096	.096		.080	290	*	*	*	*	*	.126		.064	.064		.080	.042	.020		.056				.096		2.071
	Wind movement	96	57	74	49	104	132	108	120	48	28	124	70	76	76	48	61	71	56	32	53	48	52	22	31	99	115	80	73	73	106		2182
Runyon	Evaporation	.060	.080		.120	.110	.120	120	.120	.080	.080	.060	.010	.000	.010	.000		.030	.030	.060	.060	.030	*	.100	.090	.040		010					1.775
	Wind movement.	9	22	36	45	41	42	32	40	32	33	35	38	32	26	34	22	42	39	55	34	16	15	14	11	22	26	102	25	30	42		992

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for November, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*..........	Maximum....	59	65	62	60	63	62	46	50	53	56	60	60	50	52	53	42	49	52	50	59	54	66	57	51	45	49	48	41	46	52	....	53.7
	Minimum....	48	52	48	44	56	44	40	37	36	41	54	45	46	44	41	35	33	38	32	50	49	53	44	43	30	26	36	32	28	32	....	41.2
Barnegat City‡.........	Maximum....	58	62	63	64	67	63	47	49	50	53	58	58	50	51	50	42	46	49	47	59	54	70	55	49	48	47	49	49	44	51	....	53.4
	Minimum....	46	48	45	42	48	42	40	35	33	40	41	44	44	45	40	30	31	35	31	40	44	48	42	38	28	26	35	28	27	30	....	38.2
Belleplain..............	Maximum....	58	62	59	66	70	66	55	48	52	59	66	62	47	50	50	48	49	51	51	59	54	70	64	53	46	43	48	43	46	46	....	54.7
	Minimum....	37	52	43	31	47	47	39	37	27	24	39	43	40	40	42	32	22	37	17	24	45	43	32	40	28	19	36	31	19	28	....	34.7
Belvidere...............	Maximum....	....	..	....	....	....	49	45	46	50	52	62	62	43	42	48	45	41	43	45	52	47	65	59	56	45	35	35	37	35	40	....	47.2ᶜ
	Minimum....	....	....	....	....	....	45	35	36	31	29	39	41	38	39	41	31	29	36	25	31	32	39	38	37	33	19	26	30	21	31	....	33.3ᶜ
Boonton§§...............	Maximum....	56	61	59	66	69	50	40	44	49	52	61	61	45	43	48	38	42	41	46	56	48	67	52	47	38	35	38	36	39	46	....	49.1
	Minimum....	42	42	46	35	41	44	37	36	34	28	33	44	41	39	40	37	29	32	23	24	29	30	40	40	35	16	17	31	20	25	....	33.7
Bridgeton...............	Maximum....	62	64	61	68	73	63	46	48	51	57	66	61	47	47	47	46	50	51	49	61	61	72	64	50	49	42	45	41	45	43	....	54.3
	Minimum....	42	51	43	36	46	42	41	39	33	30	45	43	41	41	42	32	27	36	26	33	48	44	40	43	32	23	35	32	23	30	....	37.3
Burlington..............	Maximum....	56	64	66	62	71	66	55	51	50	57	66	63	47	44	51	47	45	48	48	57	55	70	62	51	49	47	40	40	43	43	....	53.8
	Minimum....	37	38	38	40	43	45	40	39	34	39	39	46	43	41	42	35	29	39	24	30	44	43	38	43	28	22	34	27	26	32	....	36.6
Canoe Brook§§...........	Maximum....	57	62	60	67	71	....	42	47	52	54	63	69	51	43	49	38	44	45	47	56	56	74	57	42	41	39	37	37	36	44	....	51.0ᵃ
	Minimum....	40	45	36	29	40	....	36	37	32	23	33	46	40	39	39	35	29	36	20	26	25	27	29	39	27	13	18	30	17	27	....	31.5ᵃ
Cape May‡...............	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg...........	Maximum....	49	59	59	68	75	69	47	41	49	53	57	59	47	42	47	47	39	39	46	56	55	67	65	46	46	34	34	35	33	37	....	50.0
	Minimum....	39	44	41	31	43	45	32	32	31	22	37	44	37	35	37	31	25	35	19	24	21	36	39	37	30	14	24	21	16	30	....	31.7
Clayton.................	Maximum....	58	64	60	67	69	64	47	47	50	58	68	62	48	46	50	47	47	50	49	61	58	70	64	50	49	42	42	41	45	43	....	53.9
	Minimum....	42	49	41	40	41	45	38	36	32	27	41	42	38	38	40	30	24	37	22	29	45	40	38	41	28	28	32	30	23	28	....	35.5
Dover...................	Maximum....	51	61	59	67	72	62	52	44	49	51	59	60	48	42	48	42	41	40	46	51	48	67	56	49	40	28	35	34	36	39	....	49.2
	Minimum....	41	45	43	37	46	40	33	34	28	26	40	42	39	38	40	29	27	34	23	26	29	37	39	37	24	18	25	23	20	30	....	33.1
Elizabeth	Maximum....	54	63	62	68	71	63	49	57	56	56	62	61	48	45	50	48	45	47	50	55	55	76	64	51	48	37	39	39	43	44	....	53.5
	Minimum....	43	44	39	34	41	46	37	37	32	30	38	45	41	40	40	32	28	35	22	28	31	40	34	42	27	19	29	29	19	32	....	34.5
Flemington	Maximum....	55	65	63	70	71	62	45	47	54	54	64	62	46	43	47	47	44	46	49	59	56	71	65	51	46	35	38	39	37	40	....	52.4
	Minimum....	44	47	42	36	42	45	38	37	33	28	38	45	41	40	42	35	29	36	25	28	36	41	35	41	34	20	28	32	22	32	....	35.7
Freehold................	Maximum....	53	61	59	65	69	62	45	48	49	54	63	61	46	44	49	46	43	44	49	56	54	68	60	49	47	37	40	37	40	42	....	51.3
	Minimum....	44	45	43	38	44	45	37	36	31	30	41	45	41	39	40	32	26	35	25	32	39	41	36	41	32	18	32	31	24	30	....	35.8
Hammonton.... ...	Maximum....	58	65	62	68	72	67	45	47	51	58	68	63	47	47	52	49	47	51	52	62	58	72	63	49	48	41	43	41	46	46	....	54.6
	Minimum....	43	51	42	36	47	44	40	33	31	28	41	43	41	40	42	30	26	37	23	33	46	41	35	44	30	20	34	31	22	29	....	36.1
Hightstown..............	Maximum....	54	63	60	65	67	62	45	47	50	54	64	62	46	44	50	46	44	45	47	56	53	68	60	49	47	47	37	38	39	42	....	51.7
	Minimum....	43	47	42	35	45	44	38	36	32	27	39	44	42	39	40	33	29	37	23	29	37	38	35	41	31	20	30	30	25	30	....	35.4
Indian Mills(near)....	Maximum....	56	63	60	67	70	63	46	47	50	56	66	63	46	45	50	46	46	48	51	62	59	72	61	48	47	40	42	40	44	42	....	53.2
	Minimum....	44	51	39	35	47	46	40	37	31	23	43	44	41	40	42	30	25	36	18	30	45	44	35	42	29	20	33	30	20	30	....	35.7
Jersey City.............	Maximum....	54	62	60	69	72	68	51	45	53	53	57	60	53	47	51	51	45	45	48	58	57	70	68	52	49	37	38	38	42	44	....	53.2
	Minimum....	45	53	47	45	51	50	42	41	40	36	51	52	42	40	40	39	31	41	33	38	41	50	51	47	34	23	30	32	29	36	....	41.0
Lakewood................	Maximum....	55	62	62	70	72	64	46	51	52	55	64	63	47	47	49	46	45	48	50	60	55	71	62	50	49	38	44	39	41	44	...	53.4
	Minimum....	45	51	43	38	40	44	40	38	31	26	36	45	43	42	42	32	27	35	22	31	41	39	33	43	29	19	34	30	21	29	....	35.6
Lambertville(near)..	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)............	Maximum....	54	60	58	68	72	62	45	42	46	52	59	50	43	41	47	40	41	40	45	58	50	69	53	45	42	34	35	34	33	38	....	48.9
	Minimum....	39	46	34	28	36	41	33	35	31	21	39	43	34	37	40	30	27	35	21	24	22	34	40	37	25	10	23	21	10	30	...	30.9
Little Falls§§..........	Maximum....	57	63	60	69	73	51	43	46	53	54	62	62	45	43	49	50	44	42	48	58	53	69	52	47	40	34	37	37	39	41	....	50.7
	Minimum....	43	47	43	36	42	42	36	37	35	28	35	49	42	39	40	36	29	38	24	29	29	39	36	40	33	19	25	31	22	28	.	35.1
Long Branch*............	Maximum....	56	61	60	68	73	64	43	49	51	53	60	61	48	46	46	40	45	46	46	59	52	71	52	48	41	41	38	38	42	47	....	51.5
	Minimum....	47	50	47	40	47	41	37	36	33	32	47	43	44	41	40	29	30	33	27	37	38	48	39	39	29	28	35	26	24	32	....	37.3
Long Valley§§...........	Maximum....	51	62	61	61	65	49	38	40	49	51	62	60	44	43	48	37	42	43	45	55	49	66	54	45	.	....	39	36	35	41	....	49.0ᵇ
	Minimum....	41	42	38	30	32	34	34	34	32	24	32	47	38	37	40	33	27	30	22	25	27	36	33	35	32	....	..	18	19	24	....	32.0ᵇ
Moorestown..............	Maximum....	57	64	60	65	70	62	43	47	50	58	67	64	45	44	49	43	46	48	47	58	57	70	55	48	42	39	40	38	44	42	....	52.1
	Minimum....	45	49	43	38	44	41	39	38	29	29	42	42	40	40	38	28	29	29	24	31	43	43	39	38	24	21	32	33	26	29	....	35.5
Newark‡.................	Maximum....	54	62	61	68	70	61	42	45	52	54	59	61	47	41	49	41	43	44	47	52	52	69	54	48	40	36	38	36	40	49	....	50.6
	Minimum....	45	46	44	39	46	42	39	37	36	35	45	44	40	40	41	30	30	37	28	39	39	44	44	37	26	23	29	26	26	25	....	36.7
New Brunswick.... ..	Maximum....	55	63	65	63	67	62	45	47	51	52	64	63	47	43	50	46	47	44	47	58	54	71	64	49	46	35	36	37	39	40	...	51.7
	Minimum....	44	48	46	37	45	45	37	37	33	30	41	45	42	40	41	34	28	37	25	32	37	40	35	41	33	20	30	31	23	32	....	36.3
Newton..............	Maximum....	55	62	52	67	72	61	43	41	48	52	61	60	43	40	49	43	43	39	46	53	48	65	50	44	41	35	35	35	34	38	....	48.5
	Minimum....	38	44	40	36	44	40	30	31	29	26	38	39	34	33	36	27	24	33	22	29	28	38	38	35	25	14	21	22	17	27	...	31.3
N. Merchantville*....	Maximum....	57	65	61	68	70	61	45	46	50	59	67	64	45	44	49	40	46	49	49	58	57	72	56	48	43	39	40	39	44	50	....	52.7
	Minimum....	46	50	46	40	47	43	40	36	36	35	44	44	41	42	40	31	31	34	29	36	45	45	42	40	27	22	33	30	27	33	....	37.8
Paterson§§..............	Maximum....	56	62	60	69	74	52	41	47	55	54	60	62	48	44	49	40	45	43	49	59	51	70	52	47	40	37	38	37	39	45	....	50.8
	Minimum....	42	46	45	39	42	47	36	37	35	30	35	46	43	40	40	36	29	32	26	29	31	34	39	40	33	21	23	30	24	26	....	35.2
Pemberton...............	Maximum....	57	65	62	68	71	63	48	49	51	56	68	63	48	45	48	48	45	48	50	59	60	69	66	48	48	40	41	39	48	45	.. .	53.9
	Minimum....	46	51	44	33	44	47	39	37	31	28	45	46	42	40	42	34	28	39	24	33	47	43	35	41	33	22	33	32	25	31	....	37.2
Phillipsburg....	Maximum....	57	59	58	64	69	58	45	40	46	50	59	59	44	42	45	42	39	43	44	50	46	64	55	45	40	32	34	34	35	35	...	47.8
	Minimum....	43	44	41	33	40	42	37	36	34	29	38	41	39	39	41	29	29	34	25	30	36	43	35	39	26	20	26	27	25	30	....	34.6
Plainfield..............	Maximum....	53	63	63	68	70	68	44	46	52	53	63	62	47	44	50	44	44	45	48	58	51	69	60	47	44	36	38	38	38	43	....	51.6
	Minimum....	44	49	47	36	44	44	38	38	38	30	39	45	42	40	41	33	29	36	26	30	32	40	37	41	30	22	29	30	22	33	....	36.2
Pleasantville§§.........	Maximum....	61	66	64	68	76	58	50	50	54	58	68	63	50	51	56	44	52	53	51	63	59	74	59	52	47	47	48	42	49	52	....	56.2
	Minimum....	38	48	39	30	44	49	39	37	31	22	36	56	42	42	42	31	21	35	20	26	45	44	31	40	27	21	26	29	19	25	....	34.5
Ridgefield*.............	Maximum ...	54	59	60	67	70	50	41	47	51	52	59	61	46	44	48	42	42	43	46	58	50	68	52	47	42	36	37	34	39	45	....	49.7
	Minimum....	44	51	45	39	50	41	36	35	34	32	45	44	39	39	40	31	30	31	27	34	34	45	39	42	23	21	29	24	25	34	....	36.1
Runyon..................	Maximum....	63	58	60	64	69	54	44	46	64	65	63	48	46	42	50	44	43	46	44	48	48	70	65	49	47	38	36	38	39	42	....	51.1
	Minimum....	38	40	42	38	42	27	23	23	20	21	28	42	40	40	40	30	33	23	15	32	33	38	25	40	23	15	31	30	15	29	....	30.5
Sandy Hook*.............	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Somerville(near).....	Maximum....	55	62	59	67	70	60	44	46	46	53	63	60	45	42	46	42	42	44	47	56	52	67	58	48	45	36	36	36	36	39	....	50.1
	Minimum....	43	48	43	40	43	43	35	35	30	31	35	44	40	39	40	31	27	34	25	33	34	42	37	39	30	15	26	28	22	31	....	34.8
Sussex..................	Maximum....	53	62	57	66	71	63	45	42	49	52	68	60	46	41	48	45	40	41	41	54	49	68	61	47	45	34	33	36	34	39	....	49.7
	Minimum....	41	48	37	33	41	45	34	35	33	25	38	44	37	36	40	33	27	35	22	28	26	39	39	37	29	14	24	26	16	29	. ..	33.0
Trenton*................	Maximum....	56	64	60	65	67	62	42	45	48	54	64	63	46	44	48	40	44	45	47	57	54	71	53	48	40	37	39	37	41	44	....	50.8
	Minimum....	46	51	46	42	48	42	39	36	35	35	44	45	40	40	40	31	31	35	31	36	45	45	42	39	26	23	32	29	28	33	. ..	37.8
Trenton No. 2*.......	Maximum....	51	63	61	66	67	62	43	46	50	54	65	62	46	43	48	42	45	47	48	56	55	71	56	48	41	38	38	39	41	43	....	51.2
	Minimum....	45	48	45	39	47	42	39	36	32	30	41	45	41	40	41	31	30	34	28	35	41	44	39	40	27	20	32	29	26	31	....	36.6
Tuckerton...............	Maximum....	60	65	63	68	72	63	50	50	53	54	62	60	47	50	52	50	48	52	47	60	60	73	69	53	50	43	47	44	45	55	....	55.5
	Minimum....	45	52	45	39	50	48	40	38	30	28	45	45	43	40	44	32	30	38	26	30	42	45	38	44	30	20	38	32	25	30	....	37.7
New York, N. Y.*....	Maximum....	53	61	59	65	68	61	42	45	53	53	57	60	51	48	49	45	43	44	49	56	53	67	52	49	41	37	38	37	42	44	....	50.7
	Minimum....	46	52	47	45	52	42	37	38	37	38	50	47	40	39	40	31	30	37	35	38	41	48	45	39	27	24	32	29	28	36	....	39.0
Philadelphia, Pa.*....	Maximum....	57	64	60	66	67	62	44	46	52	57	66	64	48	45	48	40	47	49	48	57	56	71	57	49	44	39	42	38	44	50	....	52.6
	Minimum ...	48	51	50	47	52	42	41	38	38	41	47	47	42	42	39	33	31	38	36	39	46	47	46	43	30	25	34	31	29	34	....	40.2

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLV. DECEMBER, 1940. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

December, 1940 was a mild winter month. The coldest weather occurred on the 4th, but at only two stations in the State did the temperature go below zero. These were Layton with −4°, and Charlotteburg with −2°. The last 16 days were unusually mild and on only four days during that period did freezing weather occur at Trenton while the daily maxima were far above the freezing point, reaching 60° or above at most stations on the 25th and 29th.

Precipitation was 85 per cent of the December normal. It was practically all in the form of rain except on the 5th, when a snowfall covered the State, ranging from less than an inch in the southeast to as high as five inches at some northern stations. Light rains fell on the 8th and 13th, and heavier falls occurred on the 16th, 26th, 27th, 28th and 29th, the heaviest being on the 16th and 28th. There was much cloudiness during the month and dense fog was recorded on nine days in some part of the State. A thunderstorm was observed on the 29th at Long Valley, an unusual feature for December. As a result of the mild moist weather, grass remained fairly green at the close of the month and in some places showed signs of growing. Winter grains continued in good condition. There were no destructive winds during the month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 37.0°, which was 5.2° above normal. The highest temperature was 67° at Hammonton on the 28th, and the lowest, −4°, at Layton on the 4th. The greatest daily range of temperature was 49° at Runyon on the 7th. The highest monthly mean temperature was 41.6° at Atlantic City, and the lowest, 30.9° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −1.9°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 50 stations, was 3.00 inches, which was 0.55 inch below normal. The average total snowfall at 22 selected stations was 3.1 inches, which was 2.2 inches below normal. The greatest monthly precipitation was 5.27 inches at Newton, and the least, 1.62 inches at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 1.97 inches at Newton on the 29th.

The precipitation accumulated departure from the normal for the year, 1940, to date, for the State is +2.71 inches.

DATES OF MISCELLANEOUS PHENOMENA.

SLEET: 14. THUNDERSTORMS: 29.

DENSE FOG: 12, 13, 16, 17, 25, 26, 27, 28, 29.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	30.14	30.62	19	29.40	29	14.9	35	w.	17	77	65	73	50
Long Branch	30.13	30.64	19	29.34	29	12.3	40	nw.	17	75	56	69	40
Ridgefield	30.11	30.65	19	29.37	29	.	....	. .	....	....	...	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	30.13	30.65	19	29.33	29	8.3	26	nw.	17	73	58	66	46

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	41.5	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	7.30	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	21.1	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	72	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	9	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	24.8	54	−21	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	72	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	13	6	12
1938	34.8	67	1	2.80	1.4	10	11	6	14
1939	35.2	69	−1	1.54	3.9	8	10	8	13
1940	37.0	67	−4	3.00	3.1	10	12	7	12
Period	33.8	72	−21	3.55	5.3	9	12	8	11

Climatological Data for December, 1940

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	41.6	+5.2	59	13	17	4	24	2.53	−1.41	1.20	0.8	10	7	10	14	n.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	39.4	......	57	13	14	4	31	2.11	−1.89	0.90	0.5	8	8	10	13	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	46	39.9	+4.3	61	25†	2	4	40	1.98	−2.02	0.48	2.5	8	14	7	10	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	......	......	......	......	......	......	....	3.56	−0.35	1.35	3.5	8	....	....	....	......	Miss C. S. Hixson.
Boonton	Morris	280	§50	33.5	+3.2	58	25	4	4	41	3.71	+0.01	1.33	......	9	9	2	20	nw.	John Kline.
Bridgeton	Cumberland	30	57	40.4	+4.2	61	25†	10	4	35	2.39	−1.31	0.85	1.5	8	13	7	11	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	39.0	+3.6	64	29	10	4	36	2.77	−1.18	1.17	3.5	10	22	1	8	sw.	Public Service G. & E. Co.
Camden	Camden	20	8	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Central Airport, Inc
Canoe Brook ‡‡	Essex	180	10	33.2ᵃ	+1.5	61	25	2	4	41	3.57	+0.70	1.14	......	10	10	5	16	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	33.3	+2.7	59	25	−2	4	41	3.84	−0.16	1.45	3.5	12	7	9	15	w.	Newark Water Dept
Chatham	Morris	185	36	......	......	......	......	......	......	...	3.81	−0.36	1.31	3.5	10	8	11	12	......	Paul Molitor, Sr.
Clayton	Gloucester	120	27	39 1	+4.5	62	25†	5	4	38	3.32	−0.37	0 98	3.0	8	12	3	16	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	......	......	......	......	......	......	....	3.21	−0.13	1.20	3.0	8	....	....	....	......	L. S. Depue.
Dover	Morris	600	56	33.7	+3.3	60	25	3	4	31	4.13	−0.05	1.42	3.3	9	6	11	14	......	William C. Harris
Egg Harbor City	Atlantic	63	18	......	......	......	......	......	......	....	2.41	−1.38	0.95	0.8	11	22	1	8	......	Chas. E. Hall.
Elizabeth	Union	34	61	37.0	+3.2	62	25	6	4	36	3.58	−0.34	1.28	4.0	10	11	6	14	ne.	Union County Park Comr
Flemington	Hunterdon	140	§54	36.4	+3.4	63	25	5	7	43	3.74	+0.08	1.20	4.0	10	15	3	13	w.	Hiram E. Deats
Freehold	Monmouth	194	§36	37.6	......	61	29	8	4	34	2.68	−0.90	0.86	4.5	9	18	5	8	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	40.1	......	67	28	5	4	38	2.59	−1.39	0.96	1.5	10	15	6	10	w.	J. G. Wilson.
Hightstown	Mercer	110	47	36.9	+3.5	61	29	8	4	33	3.02	−0.52	1.22	4.0	10	14	5	12	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	38.4	+3.8	64	25	1	4	41	2.92	−1.19	1.21	2.7	11	10	12	9	sw.	Edward Eutwistle.
Jersey City	Hudson	81	42	39.4	+4.4	62	25	10	4	26	2.49	−1.16	0.78	3.8	10	10	9	12	nw.	Jersey Journal.
Lakewood	Ocean	54	36	38.8	+4.3	62	25	6	4	37	2.30	−1.89	0.64	4.0	8	6	11	14	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	......	......	......	......	......	......	...	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton(near)‡‡	Sussex	480	39	30.9	+2.5	58	25	−4	4	41	2.37	−1.00	0.66	2.8	10	8	3	20	ne.	A. M. Depue.
Little Falls	Passaic	157	37	35.4	+2.6	62	25	7	4	42	3.13	−0.81	1.16	3.5	12	10	9	12	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	38.0	+3 3	60	25	9	4	29	2.47	−1.68	0.86	4.5	10	5	7	19	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	33.0	......	58	25	4	4†	39	2.88	......	1.10	3.0	8	15	9	7	sw.	Arthur Barkmau.
Moorestown	Burlington	62	77	38.4	+4.4	64	29	10	4	34	2.78	−0.99	0.67	4.0	12	10	6	15	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	37.1	+3.4	61	25	9	4	29	3.11	−0.85	1.11	3.6	10	4	9	18	......	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	36.8	+3.3	62	29	8	4	35	3.12	−0.42	1.00	5.0	9	13	5	13	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	......	......	......	......	......	......	....	2.73	−0.23	1.15	......	9	....	....	...	......	Hackensack Water Co
Newton	Sussex	769	57	32.5	+2.1	53	26	0	4	27	5.27	+1.86	1 97	4.9	11	6	6	19	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	39.0	......	63	29	12	4	28	2.89	......	0.94	4.0	10	11	5	15	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	......	......	......	......	...	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	§9	35.2	+1.7	63	25	8	4	42	2.51	−1.34	1.07	3.6	8	15	7	9	w.	J. W. Cook.
Pemberton	Burlington	55	10	39 4	+3.2	63	25†	8	4	34	3.28	+0.92	1.18	3.4	11	18	4	9	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	33.8	+2.0	55	29	8	4	30	4.42	+0.99	1.65	4.0	10	8	12	11	......	Town Engineer.
Plainfield	Union	120	52	37.1	+4.0	60	25	8	4	32	3.54	−0.33	1.20	5.1	12	12	6	13	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	39.4	+3.9	63	25	3	4	42	1.90	−2.03	0.50	......	11	17	6	8	nw.	N. J. Water Policy Comm
Rahway	Union	20	....	......	......	......	......	......	......	....	3.01	......	0 84	4.7	9	15	9	7	......	Norman C. Wittwer.
Ridgefield	Bergen	80	23	35.7	+3.5	61	25	8	4	39	2.50	−1.31	0 73	3.8	11	5	14	12	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	35.6	+3.2	62	29	3	4	49	2.98	−0.14	1.06	......	10	15	7	9	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Weather Bureau
Somerville(near)	Somerset	385	57	35.9	+3.1	58	29†	2	4	32	3.47*	−0 24	......	4.0	....	15	8	8	w.	Richard H. Rogers.
Sussex	Sussex	450	45	33.0	+2.8	58	25	3	7	38	4.38	+1.41	1.50	5.0	11	11	6	14	nw.	Marshall Hunt.
Toms River	Ocean	33	19	......	......	......	......	......	......	....	2.41	−1 95	1.25	0.5	5	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	68	38.3	+3.9	62	29	12	4	26	3.02	−0.33	1.33	3.9	9	4	12	15	n.	U.S Weather Bureau
Trenton No. 2	Mercer	105	10	37.4	......	62	29	10	4	35	3.05	......	1.24	4.1	9	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	47	41.4	+5.2	62	25	9	4	30	1.62	−2.71	0 51	0.1	10	17	3	11	nw.	John H. Brown.
Vineland	Cumberland	109	60	......	......	......	......	......	......	....	2.66	−0.96	0.83	1.0	11	....	....	....	......	Edward H. Ladd.
Westfield	Union	145	....	......	......	......	......	......	......	....	3.13	......	1.00	4.0	7	16	5	10	nw.	Town Engineer.
Woodbury	Gloucester	50	....	......	......	......	......	......	......	....	2.44	......	0.66	4.0	7	3	13	15	w.	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	......	......	......	......	......	......	....	3.08	+0.07	1.39	......	9	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	6	......	......	......	......	......	......	....	2.63	......	0.60	4.0	10	....	....	....	......	Charles Bishop.
New York, N. Y	......	10	70	38.9	+3.9	58	25	11	4	25	2.53	−1.09	0.91	3.8	11	10	6	15	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	69	40.4	+4.1	62	29	14	4	25	2 53	−0.90	0.84	2.9	11	6	10	15	n.	U. S. Weather Bureau.
For the State	......	......	....	37.0	+3.2	67	28	−4	4	49	3.00	−0.55	1.97	3.1	10	12	7	12	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for statious of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch raiu or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Brauchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-30-41-925

Daily Precipitation for December, 1940

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.			.02	.22		T.	.01					.09	.12		.71	T.									.12	.02	1.10	.12			2.53
Barnegat City[4]	Coast	T.			.01	.13		T.						.06	.02		.61	T.									.18		.90	.20			2.11
Belleplain	Tuckahoe					.34								.14	.17		.31										.30	T	.48	.17	.07		1.98
Belvidere	Delaware			T.	T.	.30		.05						.14			1.35										.44	.06	1.08	.14			3.56
Boonton[3]	Passaic	T.				.05	.22		.02					.05			T.	1.33										.21	.51	1.04	.28		3.71
Bridgeton	Delaware					.22			.11						.16		.85										.12		.77	.11	.05		2.39
Burlington	....do		T			.33			.12					.03			.10	.46									.24	.03	1.17	.22	.07		2.77
Camden[4]	Delaware																																
Canoe Brook[3]	Passaic					.16	.15		.03					.10			.08	1.14										.12	.78	.83	.18		3.57
Cape May[4]	Coast																																
Charlotteburg	Passaic	.04		.05		.28			.02					.06			.63	.55									.09	.13	1.45	.49	.05		3.84
Chatham[3]	..do	T.				T.	.33		.10					.09	.03			1.31			T.							.11	.70	.90	.19	.02	3.81
Clayton	Delaware					.38									.32		.98	.28									.18		.87	21	.10		3.32
Culvers Lake	...do	T	T.			.21								.03			.80	.25			T.						.20		1.20	.47	.05		3.21
Dover	Passaic				T.	.33		.04						.08			1.42						.05				.33	.03	1.36	.49			4.13
Egg Harbor City[2]	Mullica				.03	.23		.02						.08	.13		.59										.23	.01	.95	.13	.01		2.41
Elizabeth	Coast	T.		T.		.50			.08					.08			.63	.55					T.				.05	.05	1.28	.34	.03		3.58
Flemington	Raritan			T.		.43			.09					.09			.68	.65			T.		T.				.18	.09	1.20	.27	.06		3.74
Freehold	.do					.38		.05					.02				.53	.57									.07	.04	.86	.16			2.68
Hammonton	Mullica					.24			.04					T.	.12		.45	.30					T.				.20	.02	.96	.25	.01		2.59
Hightstown	Raritan					.39			.05					.09			.40	.47			T			T.			.04	.10	1.22	.25	.01		3.02
Indian Mills	Mullica					.29			.06					.05	.04		.38	.44									.18	.02	1.21	.20	.05		2.92
Jersey City	Coast			T.		.36			.03					.05			.61	.38			T.		T.				.03	09	.78	.14	.02	T.	2.49
Lakewood	Metedeconk					.42			T.					.07	T.		.50	.30			T.						.10	.05	.64	.22	T.		2.30
Lambertville (nr.)	Delaware																																
Layton (near)	....do	.06		T		.22								.03			.66	.07			T		T.				.13	.05	.61	.49	.05		2.37
Little Falls[3]	Passaic	.01				.15	.15		.05					.04	.01		.15	1.16										.11	.79	.49	.02		3.13
Long Branch[2]‡	Coast			T.	.01	.42		.02	.01					.10			.80	T.			T.		T.				.12	.01	.75	.17	T.		2.47
Long Valley[3]	Raritan		T.			.30			.05					.10	T.			1.05			T.			.05					1.10	.20	.03		2.88
Moorestown[3]	Delaware	T.				.10	.26		.04					.12	T.	T.	.12	.67				T.					.03	.14	.43	.50	.30	.07	2.78
Newark[4]	Coast		T.	T.	.01	.38		.04					.05	.11			1.11	T.			T.		T.				.10	.01	99	.31	T.		3.11
New Brunswick	Raritan			T.		.55			.02	T.				.05			.59	.36			T		T	T.			T	.09	1.00	.44	.02		3.12
New Milford[2]‡	Hackeusack					.35		.09						.03			1.15										.07	.02	.68	.32	.02		2.73
Newton	Delaware	.03		.02		.33		T.	T.				T.	.10			1.00	.21					T			.21	.21	.05	1.14	1.97			5.27
N. Merchantville[2]‡	Delaware	T.	T.	T.	.06	.40		.07	T.				.01	.19	T.		.94	T.			T.		T.				.24	T.	.79	.09	.10		2.89
Orange[2]‡	Rahway																																
Paterson[3]	Passaic		T.		T.	.29		.06						.04			1.07	.03									.05	T	.74	.23	T.		2.51
Pemberton	Delaware			T.		.44			.04					.14	.01		.43	.50						T.			.11	.20	1.18	.19	.04		3.28
Phillipsburg	....do		.04		T.	.62		.09					T	.15			1.65	.05					T.				.18	T.	1.19	.40	.05		4.42
Plainfield	Raritan			.01		.45		.01	.09					.07			1.01	.22			T.		T				.06	.03	1.20	.34	.05		3.54
Pleasantville[3]	Coast					.10	.13		.02					.07	.13	.06	.09	.39									T.	.18	23	.50			1.90
Rahway[3]‡	Rahway					.09	.20		.05					.08			.15	84										.09	.75	.76			3.01
Ridgefield[2]	Hackensack	T.	T.		T	.35		.02	.04					.03			.72	.23			T.	T.	T.				.03	.11	.73	.22	.02		2.50
Runyon	Coast					.43			.05					.08			.35	.61									.02	.11	1.06	.23	.04		2.98
Sandy Hook[1]‡	Coast																																
Somerville (near)	Raritan																																
Sussex	Hudson	.10		T.		.32			T.					.10			1.00	.30			.01						.30	.15	1.50	.50	.10		4.38
Toms River	Coast					.05											1.25	T.									.25	.66	.20	T.			2.41
Trenton[1]‡	Delaware		T.	T	T.	.31		.05					.01	.08			.86	T.			T.		T.				.17	T.	1.32	19	03		3.02
Trenton No. 2[2]	Delaware		T.	T.	.01	.40		.06					.01	.07			.91	T.			T.		T.				.18	T.	1.24	.17	T.		3.05
Tuckerton	Coast					.01								.01	.06		.28	.13									.18	.05	.38	.51	.01		1.62
Vineland[3]	Manrice					.11	.10		.04					.08	.10		.16	.67									.08	.11	.83	.38			2.66
Westfield[3]‡	Rahway				.18	.19			.09								.32	.84										T.	1.00	.51			3.13
Woodbury	Delaware					.40											.38	.64									.16	T.	.66	.10	.10		2.44
Woodcliff Lake[2]‡	Hackensack					.34		.08						.02			1.39										.08	.02	.74	.40	.01		3.08
Woodstown	Delaware						.40	.10						.10			.60	.25									.10	.12	.54	.32	.10		2.63
New York, N. Y[1]‡	Coast		T.	T.	.02	.35		.03					T.	.05			.89	.02			T.		T.				.09	.01	.76	.30	.01		2.53
Phila., Pa[1]‡	Delaware		T.	T	.03	.31		.04					.01	.08	.03		.77				T.						.21	T.	.62	.14	.09		2.53

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	
	Wind movement	
Pleasantville[3]	Evaporation	
	Wind movement	
Runyon	Evaporation	
	Wind movement	

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for December, 1940

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	53	42	40	41	43	40	52	50	42	52	46	53	59	40	44	53	56	39	44	52	54	50	47	48	54	49	49	55	54	50	48	48.4
	Minimum	33	26	20	17	29	22	40	35	30	38	37	39	36	32	30	42	32	27	28	39	42	40	35	32	36	46	44	45	48	43	36	34.8
Barnegat City‡	Maximum	51	42	47	45	40	38	50	47	38	52	46	50	57	45	48	54	54	41	49	50	53	52	44	47	52	49	49	54	50	50	46	48.1
	Minimum	30	23	16	14	25	19	35	32	18	27	29	34	36	32	30	34	28	25	29	35	30	37	31	27	32	44	42	43	46	39	33	30.8
Belleplain	Maximum	51	43	48	35	47	38	55	51	45	57	52	60	55	45	45	57	60	54	46	53	54	53	48	50	61	61	49	60	60	55	47	51.5
	Minimum	35	16	23	2	29	10	21	31	24	20	27	27	43	23	40	39	36	16	15	29	30	27	26	12	21	44	43	42	52	40	34	28.8
Belvidere	Maximum	44	35	34	30	35	30	43	44	38	46	45	40	44	38	35	36	43	40	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	31	18	16	5	23	9	10	30	21	21	20	32	36	24	20	33	30	19	20	....	....	....	....	....	....	....	....	....	....	....	....	......
Boonton§§	Maximum	45	34	25	31	34	33	45	46	36	46	43	50	50	37	38	43	42	39	39	43	47	43	41	44	58	46	54	46	51	42	44	42.4
	Minimum	31	17	19	4	5	16	11	15	26	19	22	28	34	26	17	19	33	18	19	19	32	36	36	18	17	30	31	42	43	41	38	24.6
Bridgeton	Maximum	50	41	37	36	35	34	55	49	41	56	50	59	58	40	44	55	54	44	48	54	53	54	46	51	61	55	51	58	61	56	46	49.4
	Minimum	36	22	23	10	29	19	29	32	28	25	31	31	40	30	27	40	31	22	25	33	35	29	34	22	26	46	43	44	53	41	34	31.3
Burlington	Maximum	53	44	41	34	35	35	50	47	49	50	45	49	60	49	42	48	51	40	38	45	43	46	47	49	60	50	50	51	64	60	46	47.5
	Minimum	37	22	23	10	32	18	14	31	33	25	37	32	40	35	37	39	37	23	26	26	27	27	27	20	28	33	41	45	48	39	38	30.6
Canoe Brook§§	Maximum	43	35	29	38	36	33	46	47	37	47	48	50	50	38	38	41	49	40	41	41	49	41	44	....	61	43	52	45	51	40	46	43.3[a]
	Minimum	32	15	20	2	11	13	5	25	18	15	22	22	35	24	14	23	34	14	15	21	27	35	36	13	....	17	32	41	43	33	32	23.0[a]
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	43	33	31	25	33	33	44	46	41	45	49	40	50	38	39	38	44	37	39	44	44	41	40	50	59	58	56	53	47	51	46	43.1
	Minimum	28	11	14	−2	22	13	10	32	23	13	24	28	34	20	21	30	32	10	12	24	27	32	31	9	20	23	37	39	41	34	36	23.5
Clayton	Maximum	50	41	35	33	35	36	54	54	42	54	50	57	56	43	42	56	55	39	46	51	52	53	49	49	62	58	52	59	62	58	46	49.3
	Minimum	34	20	21	5	27	16	19	30	25	23	32	30	40	27	23	35	35	20	21	30	35	32	35	18	24	38	40	42	50	38	32	28.9
Dover	Maximum	43	37	30	28	33	32	44	45	36	48	41	40	48	37	38	37	42	39	39	42	44	42	41	45	60	48	55	45	51	48	44	42.0
	Minimum	26	15	11	3	24	14	13	33	20	19	30	32	29	20	16	33	25	17	18	30	31	35	25	16	32	29	39	39	42	36	34	25.4
Elizabeth	Maximum	48	37	34	32	34	43	48	49	40	47	49	48	58	41	39	40	45	41	44	50	53	49	48	48	62	53	52	48	53	54	50	46.4
	Minimum	34	17	20	6	29	11	13	28	22	20	30	32	32	28	20	31	34	18	21	30	29	36	34	19	26	38	40	43	44	35	38	27.7
Flemington	Maximum	44	35	35	31	37	37	48	47	37	48	45	43	49	40	37	37	43	43	43	43	46	48	47	48	63	54	50	51	57	57	41	44.6
	Minimum	34	19	20	7	29	11	5	29	26	21	32	30	39	28	21	32	35	20	22	31	30	35	35	20	29	32	41	44	45	38	37	28.5
Freehold	Maximum	53	36	33	32	35	32	52	48	37	49	44	53	55	55	39	45	45	39	45	51	49	48	43	48	58	51	46	52	61	54	45	46.2
	Minimum	32	16	19	8	28	10	18	34	23	23	32	30	44	30	20	35	35	20	20	30	35	35	33	21	31	40	40	43	43	39	35	29.1
Hammonton	Maximum	51	44	35	37	35	35	54	53	40	56	53	61	58	43	44	58	57	40	47	54	52	54	47	52	64	54	49	67	63	56	47	50.3
	Minimum	36	20	24	5	29	10	19	32	28	24	37	29	41	30	23	38	37	19	21	31	36	34	35	18	26	36	42	44	51	40	33	29.9
Hightstown	Maximum	50	37	33	33	34	33	48	46	39	48	47	49	53	39	39	45	45	39	44	48	49	49	44	47	56	50	48	49	61	59	46	45.4
	Minimum	33	18	20	8	28	11	15	31	24	23	32	29	37	28	22	34	35	20	22	30	31	35	34	20	30	31	40	43	44	37	36	28.4
Indian Mills(near)	Maximum	51	38	33	35	35	37	55	49	40	54	47	57	56	39	40	51	53	41	48	53	50	52	45	51	64	54	49	57	62	55	46	48.3
	Minimum	36	17	21	1	29	13	22	31	25	21	28	29	39	30	22	37	35	17	19	30	35	33	32	14	23	39	42	41	51	38	35	28.6
Jersey City	Maximum	51	38	36	35	38	36	48	49	41	48	47	48	53	41	39	44	45	42	43	47	50	46	46	45	62	55	51	46	54	52	48	45.9
	Minimum	36	20	21	10	28	20	30	40	29	32	34	39	40	28	23	37	36	25	27	38	39	42	39	27	36	38	38	42	44	40	39	32.8
Lakewood	Maximum	53	47	34	32	36	34	55	48	40	54	49	55	57	40	41	48	52	42	45	54	51	51	45	51	62	51	48	59	60	54	47	48.2
	Minimum	47	18	20	6	30	13	18	32	25	19	28	27	40	28	23	38	36	19	22	30	35	37	34	18	29	30	42	44	44	39	37	29.3
Lambertville (near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum	43	31	30	26	33	33	41	45	35	45	39	33	48	34	35	32	39	39	40	42	43	41	41	45	58	38	50	47	48	48	40	40.1
	Minimum	30	9	7	−4	14	−1	5	31	21	13	27	30	31	20	10	29	25	10	12	27	28	32	28	11	17	24	36	41	41	35	34	21.7
Little Falls§§	Maximum	45	33	27	31	35	35	48	47	37	48	45	51	49	37	39	44	42	41	40	47	48	44	48	60	62	46	50	48	53	42	47	44.2
	Minimum	32	17	22	7	13	14	11	28	25	20	27	31	36	25	18	34	34	18	20	23	30	36	36	18	24	28	38	41	42	39	38	26.6
Long Branch*	Maximum	52	36	30	32	34	34	55	45	38	53	45	53	57	37	40	46	47	40	40	53	51	50	43	51	60	48	45	52	55	51	47	45.8
	Minimum	30	19	16	9	25	14	28	31	27	27	32	32	37	29	27	38	28	22	27	33	39	38	30	22	34	38	41	44	41	39	35	30.1
Long Valley§§	Maximum	42	34	26	29	33	32	44	44	34	47	42	48	47	36	41	43	40	39	40	42	45	43	42	45	58	47	52	47	52	39	46	41.9
	Minimum	30	15	17	4	4	9	5	19	25	17	24	30	33	24	16	29	33	16	17	19	29	34	34	15	25	27	39	40	43	38	36	24.1
Moorestown	Maximum	51	38	30	34	34	42	51	47	44	51	48	54	54	40	40	52	50	41	44	49	50	52	45	47	63	53	50	54	64	49	45	47.3
	Minimum	30	21	15	10	19	16	20	34	28	26	32	31	35	29	24	34	30	21	24	31	40	35	36	21	29	36	41	44	44	38	38	29.4
Newark‡	Maximum	49	37	34	34	34	35	49	47	38	48	45	47	52	36	41	42	46	39	43	46	50	47	44	47	61	47	51	47	54	46	47	44.6
	Minimum	25	20	13	9	23	19	21	34	26	27	36	35	31	26	24	36	27	22	26	34	36	39	35	25	32	36	41	43	44	39	34	29.6
New Brunswick	Maximum	50	37	33	35	36	32	49	46	38	48	45	48	53	39	38	42	45	39	43	48	50	48	46	48	60	48	48	48	62	58	47	45.4
	Minimum	35	18	13	8	27	13	14	30	25	21	32	30	37	27	22	33	33	20	23	30	33	36	36	20	29	32	40	42	44	36	37	28.3
Newton	Maximum	43	33	31	26	33	36	39	48	36	45	43	40	45	34	37	33	43	39	42	41	42	40	41	45	50	53	51	52	52	51	43	41.5
	Minimum	27	12	9	0	13	11	13	30	22	19	28	28	29	18	14	29	25	15	17	28	32	32	28	18	23	30	35	39	39	34	33	23.5
N. Merchantville*	Maximum	50	38	33	34	35	34	52	48	41	52	46	50	54	38	39	51	51	42	45	50	51	51	47	49	60	52	49	52	63	50	46	46.9
	Minimum	30	23	16	12	26	19	24	34	29	30	34	34	35	28	26	37	29	24	26	34	40	37	29	24	32	40	42	45	47	38	37	31.0
Paterson§§	Maximum	46	35	28	33	34	36	49	49	38	48	46	50	52	40	40	42	42	41	42	44	47	44	44	48	63	47	50	47	52	44	45	44.1
	Minimum	32	18	20	8	10	15	15	24	25	22	25	32	35	26	20	22	34	21	21	23	33	36	36	20	21	30	33	41	42	40	38	26.4
Pemberton	Maximum	52	40	35	35	35	35	54	54	40	53	48	55	56	40	40	50	51	41	48	51	54	51	48	52	63	53	50	55	63	50	46	48.3
	Minimum	36	20	23	8	29	13	20	32	25	24	30	30	39	38	25	37	37	20	25	31	37	35	37	20	29	40	42	44	48	39	36	30.6
Phillipsburg	Maximum	40	34	34	27	30	28	42	40	43	39	39	40	44	35	35	46	40	37	36	40	45	44	40	43	51	44	48	47	55	46	41	40.4
	Minimum	30	20	17	8	27	10	12	30	23	24	29	32	32	25	20	35	29	20	20	33	31	34	27	20	25	29	39	44	45	38	33	27.1
Plainfield	Maximum	47	37	34	32	34	34	48	47	38	47	45	47	50	40	38	40	44	39	42	45	50	49	49	48	60	48	50	47	54	54	49	44.7
	Minimum	32	19	16	8	29	19	16	32	28	23	34	36	35	28	24	35	30	21	26	33	35	36	30	23	31	37	42	44	44	39	29	29.5
Pleasantville§§	Maximum	54	41	34	40	40	40	54	52	43	59	51	59	60	41	45	61	45	41	47	58	55	55	48	51	63	53	54	60	55	55	50	50.5
	Minimum	30	21	23	3	30	13	18	32	26	17	29	26	35	30	25	43	41	18	16	28	31	30	30	12	24	40	42	44	44	41	32	28.2
Ridgefield*	Maximum	49	35	32	34	33	29	48	48	35	49	44	45	50	35	39	39	43	40	41	47	48	45	42	45	61	46	49	47	54	49	45	43.4
	Minimum	24	18	10	8	30	17	20	34	26	25	32	36	29	27	21	36	25	22	24	33	34	37	27	22	22	34	39	42	43	38	32	28.0
Runyon	Maximum	57	38	29	32	38	32	51	50	42	46	50	53	48	44	44	44	43	40	46	48	50	49	46	47	59	54	44	46	62	57	48	46.4
	Minimum	38	15	16	−3	28	−1	2	26	26	15	25	34	38	18	13	38	35	16	10	28	25	35	27	9	25	38	38	41	43	40	33	21.9
Sandy Hook*	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Somerville(near)	Maximum	44	35	32	32	34	35	47	48	41	48	46	45	52	42	38	38	43	42	41	45	47	49	44	49	56	52	51	60	58	58	47	44.8
	Minimum	34	14	18	2	18	11	21	31	23	20	30	31	36	25	20	32	25	17	20	30	33	35	35	17	30	35	40	39	44	37	35	27.0
Sussex	Maximum	44	33	31	26	34	33	41	38	38	43	43	39	45	36	37	36	40	39	42	42	43	41	41	44	58	40	50	47	48	52	42	40.8
	Minimum	30	8	14	4	25	10	3	32	24	17	29	31	32	22	15	31	31	17	17	29	37	33	34	15	25	26	37	42	43	37	35	25.3
Trenton*	Maximum	50	38	33	34	35	34	50	46	38	50	44	49	54	37	38	51	51	41	43	48	49	50	43	47	58	49	48	49	62	48	45	45.5
	Minimum	29	22	15	12	24	19	25	33	29	30	35	35	33	29	26	36	28	26	27	35	38	39	32	28	32	40	42	45	45	39	36	31.1
Trenton No. 2*	Maximum	49	39	33	33	35	34	50	46	39	49	45	49	53	59	39	45	49	41	44	48	49	51	45	48	58	48	48	50	62	50	46	45.6
	Minimum	32	19	15	10	28	16	15	32	27	27	32	32	34	29	24	34	26	23	24	32	35	37	31	23	31	34	41	41	45	38	34	29.1
Tuckerton	Maximum	53	46	38	34	38	37	52	50	48	57	58	56	60	48	45	53	55	43	45	55	53	56	55	50	62	55	54	59	58	52	50	50.8
	Minimum	38	20	25	9	32	18	30	30	25	28	32	35	45	30	26	38	38	21	25	32	38	36	33	25	32	42	44	44	40	44	35	31.9
New York, N. Y.*	Maximum	50	38	34	36	35	35	50	48	39	48	45	50	52	37	41	46	44	42	47	45	47	47	44	48	58	55	51	52	57	49	48	45.7
	Minimum	25	19	12	11	24	19	32	35	29	32	36	39	33	27	28	39	27	25	33	39	38	38	35	33	38	43	40	45	45	38	37	32.1
Philadelphia, Pa.*	Maximum	50	39	33	34	35	36	51	48	42	52	46	52	56	41	40	51	51	44	44	47	51	52	48	47	60	51	50	52	62	49	46	47.1
	Minimum	31	27	19	14	28	21	28	34	31	33	37	37	35	32	30	37	31	28	31	37	43	39	37	32	35	44	43	45	47	38	38	33.6

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION,

A. E. WHITE
TRENTON, N. J.

VOL. XLV. ANNUAL SUMMARY, 1940. No. 13.

GENERAL SUMMARY.

Temperature in New Jersey for the year, 1940, averaged 1.9° below normal which shows the year, as a whole, to be one of the four coldest since state wide records were begun in 1885. All months were below normal except February, July and December. Freezing temperatures were recorded every month except July somewhere in the State.

January was unusually cold, being the coldest January since 1918, and one of the five coldest months of record in New Jersey. Readings of −4° were registered in the southern interior on the 20th. Ice on the Delaware River accumulated to a thickness of 21 inches at the Calhoun Street bridge in Trenton, and the Marine Terminal was closed to navigation for about six weeks during the winter. February was a little above normal. March and April were cold months. The growing season was unusually delayed; trees put out their leaves late, and crops, especially field corn, were planted late. The only crops planted before May were early potatoes and some garden truck in southern counties. The cool spring was beneficial to fruits, however, as buds came out late and danger of damage by frost thereby lessened. June had a cold period from the 20th to 22d, during which freezing temperatures were registered at three stations and readings considerably below freezing were recorded in the cranberry bogs, killing approximately 10 per cent of the buds. July was cool until the 18th, but a severe heat wave prevailed the remainder of the month, during which thirteen stations recorded temperatures of 100° or higher. August and September were cool. Severe frosts occurred on September 27th which were killing in parts of north Jersey, damaging field corn. They were also severe in parts of the southern interior, but there was little damage to cranberries because of the protective measures that were taken. The reading of 25° that was registered at Charlotteburg on the 27th is within 2° of the September low record for New Jersey. October was the coldest for fifteen years, November was almost normal, and December averaged mild for a winter month, though temperatures dropped to zero or below at some northern stations on the 4th.

The State average precipitation for the year was slightly above normal. Precipitation for January, July and October was decidedly deficient, but at no time were drought conditions acute. Excessive moisture in April and May interfered with field work. August was also wet, but its rains were timely for the maturing of certain crops. On September 1st, some of the heaviest rains ever recorded in New Jersey fell in the southwest quarter of the State during the northward passage of a tropical storm. The heaviest 24-hour fall officially reported was 10.52 inches at Clayton. The heavy rains caused flooding of streams and the breaking of several dams. Four persons were drowned and heavy property damage occurred mainly to highways and bridges.

A very heavy snowfall occurred in the southern one-fourth of the State on January 24th, but the month's snowfall was light elsewhere. On February 14-15th heavy snow fell over the north half of the State, accompanied by high winds and excessive drifting. At the same time, light to moderate amounts fell in south Jersey. An unusual snowstorm occurred on October 19th and 20th in central and southwestern New Jersey. The snow accumulated to a depth of one to three inches and was the heaviest ever recorded in these parts so early in the season. Snowfalls of a few inches were recorded on November 27th in northern counties and more generally on December 5th.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	63.33	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	49.2	100	−34	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24 3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21 5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	35.28	15.6	99	172	89	104
1931	54.4	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.3	110	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
1938	53.3	100	−19	52.52	23.1	133	151	88	126
1939	53.0	99	−10	42.95	18.4	113	152	92	121
1940	50.1	104	−13	48.43	28.1	121	144	92	130
Period	52.0	110	−34	45.72	28.4	116	155	100	110

Climatological Data for the Year 1940

Station	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic City	Atlantic	8	67	51.9	98	July 21	4	Jan. 20	67	41.42	5.84	Apr.	1.48	Oct.	20.6	127	94	127	145	w.
Barnegat City	Ocean	36	1	50.8	94	do. 20†	4	do. 20	20	37.84	5.43	Aug.	1.24	Jan.	8.7	112	......	......	......	......
Belleplain	Cape May	49	......	51.5	98	do. 26†	1	do. 10†	46	41.08	5.15	Apr.	1.56	June	33.2	105	183	80	103	sw.
Belvidere	Warren	289	49	......	99	do. 26	−1	do. 20	49	54.12	6.40	Aug.	1.75	Oct.	26.5	120	......	......	......	......
Boonton	Morris	280	32	48.0	96	July 26†	−3	Jan. 20	50	46.90	5.62	Mar.	2.40	July	......	113	172	15	179	nw.
Bridgeton	Cumberland	30	52	52.7	101	do. 27	2	do. 20	57	47.12	6.15	Aug.	1.45	Jan.	32.0	116	192	69	105	nw.
Burlington	Burlington	12	28	52.3	100	do. 27	4	do. 20	54	50.90	8.42	do.	1.22	do.	25.8	115	176	58	132	sw.
Canoe Brook	Essex	180	10	47.5	96	do 26	−7	do. 20	10	52.82	6.70	May	2.29	Oct.	......	122	200	46	120	nw.
Charlotteburg	Passaic	760	48	46.9	96	July 26	−2	Jan. 11†	48	53.85	7.47	Mar.	2.59	Oct.	34.4	125	110	103	153	w.
Chatham	Morris	185	......	......	......	......	......	......	36	55.10	6.73	May	2.36	do.	29.2	126	125	131	110	......
Clayton	Gloucester	120	27	51.4	100	July 27	4	Jan. 10†	27	54.26	11.95	Sept.	0.79	July	21.4	95	125	35	206	n.
Culvers Lake	Sussex	760	......	......	......	......	......	......	39	46.58	6.00	Mar.	1.47	Jan.	28.8	103	......	......		......
Dover	Morris	600	56	47.5	94	July 26	3	Jan. 20†	56	56.68	6.71	Mar.	2.50	Oct.	36.2	117	66	134	166	......
Egg Harbor City	Atlantic	63	......	......	......	......	......	......	18	46.86	7.47	Aug.	2.02	do.	17.3	119	228	47	91	......
Elizabeth	Union	34	56	51.0	103	July 19	−2	Jan. 20	61	51.74	9.12	May	2.07	do.	29.0	123	176	56	134	ne.
Flemington	Hunterdon	140	43	51.0	101	do. 26	1	do. 20	54	45.91	6.23	Apr.	1.66	Jan.	24.5	128	201	56	109	nw.
Freehold	Monmouth	194	9	50.2	99	July 27	−2	Jan. 20	36	47.63	7.42	Aug.	2.04	Jan.	26.7	118	217	87	92	w.
Hammonton	Atlantic	95	8	51.9	104	do. 27	−4	do. 20	38	49.22	8.93	May	1.65	do.	23.0	128	167	84	115	w.
Hightstown	Mercer	110	44	50.0	100	do. 27	−2	do. 20	46	45.77	6.72	do.	1.29	do.	29.4	191	148	113	105	w.
Indian Mills	Burlington	100	51	50.8	101	do. 28	−4	do. 20	50	51.82	8.49	do.	1.51	do.	26.1	125	109	156	101	nw.
Jersey City	Hudson	81	42	52.3	99	July 26†	8	Jan. 20	42	46.85	6.93	May	2.09	Jan.	26.5	121	107	126	133	nw.
Lakewood	Ocean	54	36	50.7	100	do. 27	−1	do. 20	36	49.45	6.71	Aug.	2.00	July	29.0	113	100	109	157	nw.
Layton [near]	Sussex	480	39	46.0	97	do. 26	−9	do. 20	39	43.12	6.20	do.	1.51	Jan.	36.3	115	107	69	190	ne.
Little Falls	Passaic	157	26	49.4	97	do. 6†	0	do. 20	37	51.86	7.31	May	2.54	July	35.0	136	138	107	121	nw.
Long Branch	Monmouth	34	32	50.2	98	July 26†	1	Jan. 20	32	47.09	6.39	Aug.	1.94	Jan.	22.8	125	81	124	161	nw.
Long Valley	Morris	660	10	47.0	97	do. 28	−1	do. 20	10	52.96	6.77	do.	2.11	do.	30.6	104	......	......	......	......
Moorestown	Burlington	62	77	50.8	97	do. 26	3	do. 20	77	48.30	7.67	do.	1.12	do.	22.2	114	110	123	133	n.
Newark	Essex	10	41	50.4	99	do. 26	5	do. 20	41	47.40	8.10	May	2.32	Oct.	24.6	138	39	157	170	......
New Brunswick	Middlesex	86	83	50.1	97	July 26	−1	Jan. 20	87	45.90	6.74	May	1.62	Jan.	20.0	111	116	103	147	sw.
New Milford	Bergen	12	......	......	......	......	......	......	22	45.73	6.19	do.	2.09	July	......	125	......	......	......	......
N. Merchantville	Camden	68	6	52.4	100	July 28	5	Jan. 20	6	48.54	7.19	Sept.	1.12	Jan.	29.2	127	107	123	136	nw.
Paterson	Passaic	95	70	50.1	98	do. 26	......	......	69	44.83	6.43	May	2.00	July	25.2	......	......	......	......	......
Pemberton	Burlington	55	10	52.0	101	July 27	2	Jan. 20	10	51.20	8.72	Sept.	0.98	Jan	18.2	118	172	74	120	w.
Phillipsburg	Warren	182	49	48.8	97	do. 26	2	do. 20	56	49.67	6.13	Mar.	1.69	do.	35.0	124	137	101	128	......
Plainfield	Union	120	49	50.6	100	do. 26	2	do. 20	52	54.50	8.21	May	2.41	do.	34.8	128	112	109	145	nw.
Pleasantville	Atlantic	8	17	50.9	98	do. 26	−2	do. 30	42	42.94	5.62	Nov.	1.50	Sept.	......	134	211	58	97	nw.
Rahway	Union	20	......	......	......	......	......	......	1	47.89	8.19	May	1.73	July	28.1	101	162	90	114	......
Ridgefield	Bergen	80	23	49.7	97	July 30	4	Jan. 20	23	49.06	8.13	do.	2.50	Dec.	32.3	128	84	161	121	nw.
Runyon	Middlesex	18	16	48.3	100	do. 7	−13	do. 20	17	50.67	7.41	Aug.	1.91	July	......	113	187	122	57	w.
Somerville [near]	Somerset	385	54	49.4	96	do. 26	−3	do. 20	56	50.87	6.38	Apr.	1.83	Jan.	26.0	120	159	82	125	w.
Sussex	Sussex	450	42	47.5	98	July 26	−5	Jan. 20	45	49.34	6.56	Mar.	1.27	Jan.	41.0	132	161	73	132	nw.
Toms River	Ocean	38	19	......	......	......	......	......	19	49.17	9.34	Aug	1.66	do.	19.5	107	......	......	......	......
Trenton	Mercer	56	69	51.2	98	July 27	3	Jan. 20	68	44.23	6.17	Sept.	1.14	July	26.5	127	73	121	172	nw.
Trenton No. 2	Mercer	105	4	51.1	99	do. 28	2	do. 20	10	49.93	7.28	do.	1.27	do.	29.1	121	......	......	......	......
Tuckerton	Ocean	23	42	51.9	100	July 26	−1	Jan. 20	47	40.17	7.14	Aug.	1.17	Sept.	13.5	116	......	......	......	......
Vineland	Cumberland	23	47	......	......	......	......	......	60	48.42	7.29	May	1.48	Jan.	25.3	119	......	......	......	......
Westfield	Union	145	......	......	......	......	......	......	1	50.79	8.80	do.	2.35	do.	27.1	98	204	59	103	......
Woodcliff Lake	Bergen	103	......	......	......	......	......	......	22	46.12	6.20	Apr	2.47	July	......	123	......	......	......	......
Woodstown	Salem	16	6	......	......	......	......	......	6	49.63	8.35	Aug.	1.43	Jan.	25.8	......	......	......	......	......
New York, N. Y.	......	10	70	51.2	99	July 27	9	Jan. 20	70	45.03	6.84	May	1.96	Jan.	23.8	134	98	117	151	nw.
Philadelphia, Pa.	......	26	69	53.1	99	do. 28	5	do. 20	69	44.85	7.87	Aug.	0.96	do.	24.1	126	88	127	151	nw.
For the State.	......	......	......	50.1	104	July 27	−13	Jan. 20	......	48.43	11.95	Sept.	0.79	July	28.1	121	144	92	130	nw.

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† Also on other dates.

W. B. O. Philadelphia-2-18-41-1050

Monthly and Annual Precipitation for the Year 1940, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Atlantic City	1.78	−1.71	3.51	+0.03	4.60	+1.00	5.84	+2.85	4.69	+1.64	1.55	−1.49	4.89	+0.96	4.18	−0.31	1.55	−1.10	1.48	−1.72	4.82	+2.00	2.53	−1.41	41.42	+0.74
Barnegat City	1.24	−2.88	2.95	−0.83	3.04	−1.45	4.49	+0.80	4.33	+1.47	1.61	−1.93	4.12	+0.19	5.43	+1.10	1.65	−2.35	2.06	−1.89	4.81	+0.82	2.11	−1.89	37.84	−8.84
Belleplain	2.26	−1.28	3.73	+0.40	4.47	+0.71	5.15	+1.45	4.90	+1.38	1.56	−1.88	3.85	−0.46	3.83	−0.77	2.61	−0.77	1.77	−1.13	4.97	+2.43	1.98	−2.02	41.08	−1.94
Belvidere	1.82	−1.94	2.49	−1.07	6.51	+2.82	6.15	+2.39	5.88	+2.34	5.65	+1.65	4.60	+0.06	6.40	+1.83	3.82	+0.08	*1.75	−2.07	5.49	+2.30	3.56	−0.35	54.12	+8.04
Boonton	2.62	−0.76	2.54	−0.76	5.62	+1.98	5.52	+1.62	5.56	+1.86	3.24	−0.72	2.40	−2.24	4.63	−0.06	4.10	+0.25	2.42	−1.49	4.54	+1.53	3.71	+0.01	46.90	+1.22
Bridgeton	1.45	−2.00	3.80	−0.58	3.79	−0.05	5.99	+2.39	6.09	+2.82	2.05	−1.87	2.09	−2.36	6.15	+1.48	5.90	+2.59	2.22	−0.88	5.20	+2.60	2.39	−1.31	47.12	+3.99
Burlington	1.22	−2.35	2.67	−0.65	5.58	+1.87	5.84	+2.10	6.63	+3.12	1.79	−1.90	2.88	−2.06	8.42	+2.64	5.16	+1.60	3.22	−0.27	4.72	+1.74	2.77	−1.18	50.90	+4.66
Camden	1.15	......	2.73	......	4.24	......	5.95	......	5.01	......	......	......	......	......	......	......	......	......	2.48	......	4.42	......	......	......	......	......
Canoe Brook	2.99	−1.02	3.37	+0.56	6.64	+2.30	6.00	+1.79	6.70	+3.16	3.32	−1.30	4.39	+0.61	4.55	−0.24	4.81	−0.35	2.29	−1.34	4.19	+0.67	3.57	+0.70	52.82	+15.54
Cape May	2.77	−0.60	2.64	−0.65	4.15	+0.36	4.78	+1.79	4.60	+1.61	......	......	3.98	+0.20	......	......	......	......	......	......	......	......	......	......	......	......
Charlotteburg	3.04	−0.58	2.89	−0.80	7.47	+3.48	5.68	+1.36	6.12	+2.24	4.21	−0.25	3.48	−1.10	5.71	+1.21	5.22	+1.07	2.59	−1.82	3.60	−0.02	3.84	−0.16	53.85	+4.63
Chatham	3.01	−0.96	3.01	−0.86	6.50	+2.46	6.42	+2.20	6.73	+2.81	4.22	+0.26	4.34	−0.60	5.00	+0.35	5.10	+0.88	2.36	−1.75	4.60	+1.16	3.81	−0.36	55.10	+5.59
Clayton	1.41	−2.16	3.10	−0.24	4.06	+0.54	6.26	+2.65	5.17	+2.13	2.24	−1.50	0.79	−3.77	8.45	+3.68	11.95	+8.47	2.13	−1.03	5.38	+2.66	3.32	−0.37	54.26	+11.01
Culvers Lake	1.47	−1.57	1.94	−1.02	6.00	+2.68	5.01	+1.45	4.31	+0.51	3.67	−0.77	2.32	−2.46	5.60	+0.95	5.53	+1.51	2.20	−1.41	5.29	+2.19	3.21	−0.13	46.58	+1.96
Dover	2.88	−1.12	2.98	−0.79	6.71	+2.69	5.79	+1.73	6.22	+2.59	4.49	+0.06	3.59	−1.62	6.27	+1.77	5.69	+1.61	2.50	−1.64	5.43	+1.88	4.15	−0.05	56.68	+7.11
Egg Harbor City	2.56	−1.10	3.94	−0.26	5.16	+0.76	5.47	+1.81	5.06	+0.85	2.53	−0.98	2.44	−2.55	7.47	+3.14	3.01	−1.27	2.02	−2.06	4.79	+1.09	2.41	−1.58	46.86	−1.95
Elizabeth	2.21	−1.49	3.94	+0.08	5.67	+1.71	6.71	+2.87	9.12	+5.48	3.58	−0.02	2.77	−1.95	4.78	+0.45	3.31	−0.30	2.07	−1.88	4.06	+1.08	3.58	−0.34	51.74	+5.69
Flemington	1.66	−1.81	2.25	−1.07	5.72	+2.06	6.23	+2.61	5.51	+1.99	2.32	−1.29	2.07	−2.78	5.01	+0.49	4.01	+0.37	2.44	−1.07	4.95	+2.00	3.74	+0.08	45.91	+1.58
Freehold	2.04	−1.98	3.54	−0.40	4.10	−0.38	5.38	+1.67	6.84	+3.12	3.57	−0.18	3.00	−1.75	7.42	+2.79	2.16	−2.22	2.24	−1.44	4.66	+0.83	2.68	−0.90	47.63	−0.84
Hammonton	1.65	−2.09	3.80	+0.56	4.66	+0.74	4.76	+0.98	8.93	+5.32	2.14	−1.62	1.74	−2.80	6.77	+1.89	4.73	+0.53	2.39	−1.46	5.05	+2.01	2.59	−1.39	49.22	+2.67
Hightstown	1.29	−2.18	2.79	−0.60	3.92	+0.14	5.27	+1.38	6.72	+3.11	1.89	−1.87	1.74	−3.18	6.61	+1.59	5.72	+2.51	2.74	−0.96	4.06	+1.15	3.02	−0.52	45.77	+0.57
Indian Mills	1.51	−2.46	3.00	−0.67	4.48	+0.40	5.08	+1.28	8.49	+5.15	2.94	−0.99	1.83	−2.92	8.40	+2.87	6.28	+2.79	2.19	−1.50	4.70	+1.70	2.92	−1.19	51.82	+4.46
Jersey City	2.09	−1.61	3.25	−0.68	4.49	+0.47	5.98	+2.23	6.93	+3.48	3.45	−0.33	3.45	−0.90	4.47	+0.14	3.53	+0.13	2.59	−1.51	4.13	+1.13	2.49	−1.16	46.85	+1.39
Lakewood	2.23	−1.77	4.52	+0.63	5.27	+1.10	5.27	+1.32	6.29	+2.51	4.85	+0.84	2.00	−3.00	6.71	+1.52	2.47	−0.57	2.32	−1.48	5.22	+2.13	2.30	−1.89	49.45	+1.34
Lambertville [near]	1.78	−1.68	2.49	−0.89	5.53	+1.74	6.65	+2.85	5.21	+1.55	3.86	+0.10	1.36	−3.28	......	......	......	......	......	......	......	......	......	......	......	......
Layton [near]	1.51	−1.47	1.78	−1.21	5.75	+2.46	4.49	+1.00	5.59	+2.45	3.86	−0.67	1.81	−2.59	6.20	+2.11	2.37	−1.49	2.79	−0.96	4.60	+1.53	2.37	−1.00	43.12	+0.16
Little Falls	3.47	−0.20	3.48	−0.32	6.04	+2.27	6.38	+2.22	7.31	+3.37	2.96	−1.06	2.54	−2.18	5.25	+0.29	3.87	+0.19	2.63	−1.96	4.80	+1.40	3.13	−0.81	51.86	+3.21
Long Branch	1.94	−2.20	3.95	−0.18	4.91	+0.74	4.66	+0.39	6.07	+2.22	3.77	−0.09	2.44	−3.41	6.39	+0.91	2.49	−0.70	2.51	−1.88	5.49	+1.93	2.47	−1.68	47.09	−3.95
Long Valley	2.11	......	3.20	......	5.90	......	6.00	......	5.67	......	6.00	......	3.99	......	6.77	......	3.03	......	*2.66	......	4.75	......	2.88	......	52.96	......
Moorestown	1.12	−2.22	2.53	−0.72	4.58	+0.90	5.96	+2.31	5.94	+2.42	1.57	−2.21	1.66	−3.04	7.67	+2.30	6.55	+3.02	2.37	−1.11	5.57	+2.66	2.78	−0.99	48.30	+3.32
Newark	2.52	−1.14	2.77	−0.68	4.77	+1.02	5.95	+2.07	8.10	+4.23	3.60	−0.92	2.63	−2.32	4.36	−0.19	3.51	−0.18	2.32	−2.04	3.76	+0.67	3.11	−0.85	47.40	−0.33
New Brunswick	1.62	−1.78	3.11	−0.26	4.20	+0.64	5.50	+1.89	6.74	+3.08	3.24	−0.44	2.00	−3.23	5.04	−0.36	4.72	+1.36	2.49	−1.33	4.12	+1.28	3.12	−0.42	45.90	+0.43
New Milford	2.42	−1.04	2.64	−0.43	5.69	+2.02	5.72	+2.00	6.19	+2.75	3.47	−0.55	2.09	−2.44	4.75	+0.39	3.14	−1.21	2.63	−0.46	4.26	+1.15	2.73	−0.23	45.73	+1.95
Newton	......	......	2.83	−0.32	3.96	+0.57	5.57	+2.04	5.61	+2.00	4.77	+0.29	......	......	......	......	......	......	1.97	−1.68	5.23	+2.16	5.27	+1.86	......	......
North Merchantville	1.12	......	3.50	......	4.60	......	6.38	......	5.45	......	1.86	......	1.30	......	7.06	......	7.19	......	2.61	......	4.58	......	2.89	......	48.54	......
Orange	......	......	......	......	......	......	6.31	......	8.15	......	3.41	......	3.76	......	5.21	......	4.27	......	2.15	......	4.38	......	......	......	......	......
Paterson	*2.82	−0.73	2.23	−1.75	5.15	+1.20	5.34	+1.51	6.43	+2.66	3.87	+0.17	2.00	−2.30	4.41	−0.22	3.36	−0.25	2.53	−1.58	4.18	+1.06	2.51	−1.34	44.83	−1.57
Pemberton	0.98	−2.55	2.51	−0.30	3.72	+0.32	5.34	+1.98	7.46	+4.04	1.78	−2.93	1.69	−1.81	8.60	+3.10	8.72	+3.89	2.45	−1.00	4.67	+1.57	3.28	+0.92	51.20	+7.23
Phillipsburg	1.69	−1.69	4.12	+0.81	6.13	+2.79	5.75	+2.36	4.44	+1.13	4.41	+0.68	4.15	−0.33	4.49	+0.09	3.14	−0.35	2.07	−1.53	4.86	+2.03	4.42	+0.99	49.67	+6.98
Plainfield	2.41	−1.24	3.10	−0.65	5.89	+1.93	5.86	+2.07	8.21	+4.48	5.59	+1.72	3.57	−1.98	4.15	−0.95	5.19	+1.16	2.58	−1.50	4.41	+1.36	3.54	−0.33	54.50	+6.07
Pleasantville	1.97	−1.23	3.36	+0.46	5.07	+1.66	5.25	+1.83	5.01	+1.83	1.62	−1.88	4.72	+0.66	5.37	+0.71	1.50	−1.47	1.55	−1.78	5.62	+2.80	1.90	−2.03	42.94	+1.56
Rahway	1.99	......	3.77	......	5.53	......	5.56	......	8.19	......	3.51	......	1.73	......	4.22	......	3.83	......	2.66	......	3.89	......	3.01	......	47.89	......
Ridgefield	2.51	−1.15	2.34	−1.56	4.87	+0.80	5.92	+2.47	8.13	+4.66	4.00	−0.14	2.81	−2.01	5.71	+0.80	3.18	+0.04	2.66	−1.57	4.43	+1.59	2.50	−1.31	49.06	+2.62
Runyon	2.00	−1.59	3.22	−0.05	4.19	+0.74	5.78	+1.95	6.50	+2.74	4.31	+0.30	1.91	−2.86	7.41	+2.44	4.91	+0.83	3.11	−0.64	4.35	+1.16	2.98	−0.14	50.67	+4.88
Sandy Hook	1.73	−2.23	2.31	−1.59	4.32	+0.28	4.51	+0.92	5.39	+1.67	4.16	+0.38	4.10	−1.02	5.63	+0.65	2.85	−0.58	2.47	−1.31	......	......	......	......	......	......
Somerville [near]	1.83	−1.69	2.26	−1.19	5.24	+1.57	6.38	+2.72	6.28	+2.74	3.86	+0.35	3.06	−2.18	5.61	+0.69	6.12	+2.40	2.34	−1.24	4.42	+1.45	*3.47	−0.24	50.87	+5.38
Sussex	1.27	−1.70	3.09	+0.13	6.56	+3.41	5.10	+1.57	4.78	+1.35	3.76	−0.32	3.47	−0.35	5.95	+1.95	3.62	+0.65	2.56	−0.60	4.80	+1.98	4.38	+1.41	49.34	+8.68
Toms River	1.66	−2.26	3.25	−0.85	4.38	−0.02	4.53	+0.62	7.09	+2.74	4.62	+0.94	2.20	−3.35	9.34	+3.73	1.89	−2.39	2.26	−1.80	5.54	+2.02	2.41	−1.95	49.17	−2.57
Trenton	1.52	−1.79	2.94	−0.47	4.72	+1.32	5.24	+2.30	5.93	+2.85	1.90	−1.19	1.14	−2.80	5.54	+0.79	6.17	+2.77	2.15	−0.63	3.96	+1.23	3.02	−0.33	44.23	+4.05
Trenton No. 2	1.85	......	2.86	......	5.97	......	6.31	......	5.98	......	2.44	......	1.27	......	5.88	......	7.28	......	2.40	......	4.64	......	3.05	......	49.93	......
Tuckerton	1.58	−2.09	3.52	+0.03	4.33	+0.20	3.64	−0.13	4.38	+0.94	2.85	−0.88	2.77	−1.21	7.14	+1.84	1.17	−2.09	2.15	−1.47	5.02	+2.02	1.62	−2.71	40.17	−5.55
Vineland	1.48	−2.04	3.73	+0.45	4.61	+1.07	5.92	+2.32	7.29	+4.09	2.26	−1.36	1.69	−2.84	6.77	+2.28	4.76	+1.31	2.32	−0.72	4.93	+2.27	2.66	−0.96	48.42	+5.87
Westfield	2.35	......	3.20	......	5.72	......	5.63	......	8.80	......	3.78	......	2.92	......	4.25	......	4.54	......	2.29	......	4.18	......	3.13	......	50.79	......
Woodbury	......	......	......	......	......	......	......	......	......	......	......	......	1.27	......	5.85	......	8.52	......	2.04	......	4.10	......	2.44	......	......	......
Woodcliff Lake	2.63	−0.91	2.83	−0.31	5.56	+2.01	6.20	+2.40	6.20	+2.74	3.33	−0.47	2.47	−1.46	4.11	−0.04	2.74	−1.43	2.51	−0.53	4.46	+1.37	3.08	+0.07	46.12	+3.44
Woodstown	1.43	......	1.99	......	*4.15	......	6.30	......	5.45	......	3.15	......	2.59	......	8.35	......	6.71	......	2.61	......	4.27	......	2.63	......	49.63	......
New York, N. Y.	1.96	−1.70	3.33	−0.64	4.49	+0.85	5.41	+2.18	6.84	+3.60	3.11	−0.22	2.50	−1.74	5.06	+0.73	3.22	−0.17	2.67	−0.86	3.91	+0.95	2.53	−1.09	45.03	+1.89
Philadelphia, Pa.	0.96	−2.24	2.90	−0.53	4.10	+0.71	6.06	+3.01	4.89	+1.63	2.52	−0.72	1.82	−2.33	7.87	+3.25	4.58	+1.44	2.38	−0.43	4.24	+1.54	2.53	−0.90	44.85	+4.44
For The State	1.95	−1.70	3.03	−0.52	5.14	+1.37	5.62	+1.97	6.29	+2.61	3.28	−0.55	2.73	−1.96	5.96	+1.21	4.41	+0.62	2.36	−1.25	4.66	+1.46	3.00	−0.55	48.43	+2.71

* Interpolated from surrounding stations.

ERRATA FOR 1940 MONTHLY ISSUES

JANUARY: Canoe Brook, departure from normal temperature should read −9.6. MARCH: Boonton, departure from normal precipitation should read +1.98.
SEPTEMBER: Somerville, departure from normal precipitation should read +2.40.

Monthly and Annual Mean Temperatures for the Year 1940, with Departures from the Normal

STATIONS.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic City	25.0	−7.5	34.5	+0.9	37.2	−1.4	45.4	−2.4	57.4	−0.7	69.2	+2.6	73.4	+1.3	71.8	−0.7	66.6	−0.2	53.8	−3.1	47.4	+1.8	41.6	+5.2	51.9	−0.4
Barnegat City	24.2	....	33.3		36 0	......	44.1	......	56.3	......	67.6	......	71.4	......	71.1	.. ...	65.4	......	53.2	......	45.8	......	39.4	......	50.8	.....
Belleplain	23.0	−10.6	34.4	+1.7	37.0	−4.4	[a]47.6	−2.7	62.0	+1.2	[b]70.7	+1.4	73.8	+0.1	70.4	−2.0	[b]63.0	−3.4	51.8	−3.6	44.7	−0.1	39.9	+4.3	51.5	−1.5
Belvidere	22.0	−6.0	31.0	+2.8	33.4	−5.1	46.0	−3.7	60.8	0.0	69.1	−0.3	74.2	+0.5	69.4	−1.9	63.2	−1.9	.....	......	[e]40.2	−1.2	.....	......	.....	......
Boonton	20.8	−7.1	29.6	+1.6	32.1	−3.8	44.4	−3.6	58.6	−0.2	66.2	−1 3	72.0	−0.2	67.2	−3.3	61.4	−2.1	48.4	−3.8	41.4	0.0	33.5	+3 2	48.0	−1.7
Bridgeton	23.1	−10.7	34.4	+0.4	38.4	−4.0	47.6	−4.6	62.6	−0.8	72.0	−0.1	76.7	+0.2	73.0	−1.7	65.4	−2.9	52.6	−4 3	45.8	+0.1	40.4	+4.2	52.7	−2.0
Burlington	23.9	−9.3	33.7	+0.5	37.0	−5.3	47.7	−4.2	62.4	−0.4	71.4	0.0	76.6	+0.7	71.5	−2.8	66.5	−1.2	52.8	−4.4	45.2	−0.5	39.0	+3.6	52.3	−1.9
Canoe Brook	19.8	−9.6	29.4	+0.8	32.5	−4.5	43.8	−3.1	57.4	−1.3	66.6	−0.7	71.6	−0.5	66.0	−4.7	60.8	−3.0	47.8	−4.6	[a]41.2	−0.5	[a]33.2	+1.5	47.5	−2.5
Cape May	24.1	−10.0	32.3	−1.8	[d]36.5	−4 3	44.8	−3.6	57.0	−1.6	68.5	+0.8	72.4	−1.0	.....		.....	......	.....		.....	......	.....	......	.....	......
Charlotteburg	19.6	−7.9	28.7	+1.7	30.4	−5.9	43.2	−3.5	57.2	−0.5	65.7	+0.1	71 2	+0.8	65.4	−2.9	59.0	−3.3	48.6	−2.8	40.8	+0.1	33 3	+2.7	46.9	−1.8
Clayton	23.4	−8.5	33.6	+2.0	37.1	−4.7	47.0	−3.9	60.8	−0.8	70.4	+0.8	75.0	−0.2	70.6	−2.7	63.8	−3.2	51.3	−5.1	44.7	+0.3	39 1	+4.5	51.4	−1.8
Dover	20.8	−6.5	[d]29.9	+2.7	[e]30.8	−5.2	44.0	−3.4	58.0	−0.7	66.0	−1.0	71.3	−0.3	[a]66.2	−3.1	[d]60.3	−2.2	[a]48.2	−3.2	41.2	+0.5	33.7	+3.3	47.5	−1 6
Elizabeth	23.8	−7.1	33.1	+1.9	36.5	−2.9	47.0	−3.9	61.2	−0.6	69.4	−1.2	74.8	−0.5	69.8	−3 6	64.1	−2.8	51.9	−3.3	44.0	+0.1	37.0	+3.2	51.0	−1.7
Flemington	23.1	−7.4	32.6	+2.3	35.0	−5.6	46.6	−3.6	61.3	−0.1	70.0	+0.1	75.6	+0.7	70.2	−2 6	64.8	−1.9	52.1	−3.5	44.0	+0.4	36.4	+3.4	51.0	−1.5
Freehold	22.3	....	32.4	......	34.8	......	45.5	.. ...	60.0	......	68.4	......	73.8	......	69.2	......	63.2	......	51.0	.....	43.6	......	37.6	......	50.2	......
Hammonton	21.9	......	34.6	......	37.4	.. .	47.6	......	61.6	......	70.8	.....	75.6	......	71.0	.....	64.4	......	52.1	......	45.4	......	40.1	......	51.9	.....
Hightstown	22.0	−8.5	32.0	+1.0	34.8	−5.8	45.8	−4.4	59.7	−1.2	68.6	−0.6	74.6	+0.4	68.8	−3.4	63.1	−3.4	50.6	−4 3	43.6	−0.2	36.9	+3.5	50.0	−2.2
Indian Mills	22.0	−10.4	33.2	+0.5	36.2	−4.9	46.4	−4.1	60.8	−1.0	70.1	+0.1	74.8	+0.2	69.4	−3.2	63.3	−3.1	50 8	−4.5	44.4	+0.5	38.4	+3.8	50.8	−2.2
Jersey City	25.2	−7.4	34.0	+2.3	36.2	−3.7	47.4	−2 7	60.4	−1.3	69.9	−1.1	76.1	+0.2	71.2	−2.8	66.9	−0.7	51.0	−2.4	47.1	+2.2	39.4	+4.4	52.3	−1.1
Lakewood	23.0	−9.2	33.0	+1.5	35.8	−4.5	46.0	−3.6	60.3	−0.1	68.8	0.0	74.4	+0.9	69.7	−1.8	63.0	−2.2	51.4	−3.0	44.5	+0.7	38.8	+4 3	50.7	−1.4
Lambertville[near]	20.3	−10.5	30.8	+0.2	33 1	−6.1	45.2	−4.8	.....	.....	.....	.....	74.2	+0.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Layton [near]	17.5	−8.1	27.0	+1.7	29.0	−6.8	42.0	−4.7	57.6	−0.1	65.4	−0.7	70.8	−0.4	66.2	−2 5	59.1	−3.4	46.8	−4.1	39 9	+0.4	30.9	+2.5	46.0	−2.2
Little Falls	22.6	−6.9	31.2	+0.9	33.6	−5 3	45.7	−3.7	59.4	−0.9	67.5	−1.7	73.2	−0.8	68.8	−3.3	63.0	−2.3	50.0	−4 1	42.9	−0.2	35.4	+2.6	49.4	−2.1
Long Branch	23.1	−8.9	32.9	+1.6	34.9	−4.4	44.4	−3.8	58.1	−0.4	67.6	−0.1	73.9	+1.0	69.8	−1.7	64.0	−1.9	51.7	−3.5	44.4	0.0	38.0	+3.3	50.2	−1.6
Long Valley	[a]19.6	......	[a]28.6	....	31.7	....	42.8	.....	57.8	......	[a]65.0	.....	[a]71.3	......	[b]66.4	......	[a]59.4	......	*47.5	......	[b]40.5	......	33.0	......	47.0	......
Moorestown	23.2	−8.0	32.8	+1.0	36.1	−3.8	46.0	−4.4	60.6	−0.7	69.0	−1.2	74.8	0.0	70.0	−2.7	63.6	−2.6	50.8	−4.1	43.8	+0.7	38.4	+4.4	50.8	−1.8
Newark	23.7	−6.2	32.2	+2.6	34.4	−5.0	45.8	−4.2	59.9	−1.3	68.4	−1.2	74.3	−0.4	70.0	−3.0	64.0	−2.4	51.8	−3.8	43.6	−0.2	37.1	+3.4	50.4	−1.8
New Brunswick	22.2	−8.4	31.9	+0.8	33.6	−5.6	45.0	−4.6	59.5	−1.0	68.4	−0.9	74.4	+0.3	69.7	−2.5	64.0	−1.8	51 7	−3.1	44.0	+0.3	36.8	+3.3	50.1	−1.9
Newton	18.4	−8.2	26.4	−0.6	29.4	−6.6	42.5	−5.3	57.4	−2.1	61.1	−3.8	.....	......	... .	......	.....	......	49 0	−3.7	39.9	−1.0	32.5	+2.1	.....	......
N. Merchantville	24.8	.....	34 0	......	37.4	......	48.0	......	62 6	......	71.5	.	76.8	. .	71.6	...	65.6	......	52.5	......	45.2	......	39.0	......	52.4	......
Paterson	*23.0	−7.2	32.0	+1.3	33.2	−3.9	46.1	−4 5	60.2	−1.3	68.4	−1.7	74.8	+0.2	69.8	−2.4	64.4	−1.9	51.5	−3.6	43.0	−0 8	35.2	+1.7	50.1	−2.0
Pemberton	23.5	−11 0	34.0	+0.4	37.0	−4.5	47.6	−3.3	61.7	−1 3	70.8	−0.8	75.4	−0.5	71.2	−3.2	64.8	−2.9	52.6	−3.1	45.6	−0.6	39.4	+3.2	52.0	−2.3
Phillipsburg	22.8	−6.0	30.6	+1.7	33.4	−5.1	45.7	−3.7	60.2	−0.9	68.6	−0.9	71.8	−2.2	67.8	−4.0	61.2	−4.0	48.2	−5.3	41.1	−0.8	33.8	+2.0	48.8	−2.4
Plainfield	23.2	−7.1	32.4	+2.7	34.7	−4.4	46 4	−3.0	60 4	+0.2	68.8	−0.1	74.4	+0 5	69.8	−2.0	64.2	−1.4	51.4	−2 6	43.9	+1.0	37.1	+4 0	50.6	−1.0
Pleasantville	22.8	−10.8	33.2	−0.4	*36.5	−3.9	45.3	−3.3	[b]58.8	−0.2	69.4	+0.9	73.6	+0.3	70.2	−2.0	63 6	−2.3	52.2	−2 6	45.4	+0.4	39.4	+3.9	50.9	−2.5
Ridgefield	22.6	−6.9	31.0	+1.2	33.6	−4.9	45.4	−3.0	59.4	−0.5	68.4	−0.3	74.0	+0.3	69.2	−2.6	63.4	−1.7	51.0	−2.8	42.9	−0.1	35.7	+3.5	49.7	−1.5
Runyon	19.4	−11.3	30.3	−0.5	33.1	−6.3	43.8	−4.3	58.6	−0.9	68.6	0.0	72.2	−0.8	67.2	−4.5	61.1	−3.2	[a]48.7	−4.1	40.8	−2.0	35.6	+3.2	48.3	−2.9
Sandy Hook	24.3	−7.0	32.3	+0.2	34.2	−5.1	44.7	−3.6	57.5	−0.9	67.6	−0 2	73.2	−0.3	70.4	−2.1	66.4	−1.1	53.2	−3.7	.....	......	.....	......	.....	......
Somerville[near]	22.2	−7.3	31.8	+1.9	33.1	−5.7	44.8	−4.6	59.6	−0.9	67.4	−1.7	73.5	−0.5	68.4	−3.9	63.2	−2.7	50.3	−3.9	42.4	−0.4	35.9	+3.1	49.4	−2.2
Sussex	19.6	−7.6	28.4	+1.5	30.8	−6.0	44.0	−4.4	58.8	−0.9	67.3	−0.1	72.6	+0.3	67.2	−2.8	60.0	−4.3	47.4	−5.5	41.4	0.0	33.0	+2.8	47.5	−2.2
Trenton	23.6	−6.9	32.7	+1.9	35.5	−3 6	46.5	−3.3	61.0	−0.1	69.7	+0.2	75.6	+1.1	70.4	−2.6	64.9	−2 0	51.8	−3.8	44.3	−0.1	38.3	+3.9	51.2	−1.3
Trenton No 2	23.6	. ....	32.5	......	35.6	......	46.7	......	61.2		69.9	....	75.6		70.5	......	64.3	......	51.7	......	43.9	......	37.4	......	51.1	......
Tuckerton	24.0	−10.0	34.1	+0.8	37.0	−4.2	*45.4	−4.0	59.6	−0.3	69.2	+0.3	74.2	0.0	70.9	−1.8	66.2	−0.5	53.8	−2.7	46.6	+1.2	41.4	+5.2	51.9	−1.3
New York, N. Y.	25.2	−5.7	33 0	+1.7	35.0	−2.7	46.0	−3.4	59.6	−1.0	68.4	−0.4	74.6	+0.8	70.4	−2.7	65.8	−1.0	53.2	−3.1	44.8	+0.6	38.9	+3.9	51.2	−1.2
Philadelphia, Pa.	25.3	−7.3	34.8	+0.9	37.5	−3.3	48.2	−3.9	62.4	−0.5	71.4	0.0	77.2	+1.0	72.0	−2.8	67.4	−0.6	54.3	−3.5	46.4	+0.7	40.4	+4.1	53.1	−1.3
For The State	22.4	−8.5	31.9	+1.3	34.7	−4.5	45.5	−4.1	59.7	−0.7	68.6	−0.4	73.9	+0.1	69.4	−2.6	63.5	−2.3	51.0	−3.6	43.5	−0.2	37.0	+3.2	50.1	−1.9

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days. * Estimated

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Atlantic City	Apr. 13	Oct. 22	Little Falls	Apr. 15*	Sept. 27
Barnegat City	do. 14*	do. 22	Long Branch	do. 15*	Oct. 19
Belleplain	do. 29	Sept. 27	Long Valley	do. 29*	do. 5
Belvidere	do. 25	Oct. 19	Moorestown	do. 15*	do. 19*
Boonton	do. 29*	Sept. 27*	Newark	do. 15*	do. 19*
Bridgeton	do. 15*	Oct. 19	New Brunswick	do. 15	do. 22
Burlington	do. 15*	do. 22	Newton	do. 25	do. 16
Canoe Brook	May 10*	Sept. 27*	N. Merchantville	do. 14*	do. 22
Cape May	Apr. 13*	....	Paterson	do. 15*	do. 19*
Charlotteburg	May 11*	Sept. 27	Pemberton	do. 15*	do. 19*
Clayton	Apr. 25	Oct. 22			
			Phillipsburg	Apr. 25*	Oct. 22
Dover	Apr. 29	Sept. 27	Plainfield	do. 15*	do. 19
Elizabeth	do. 29*	do. 27	Pleasantville	May 11*	do. 21
Flemington	do. 29	Oct. 19	Ridgefield	Apr. 15*	do. 19
Freehold	do. 29	do. 19	Runyon	do. 29	Sept. 27
Hammonton	do. 29	do. 19	Sandy Hook	do. 14*	....
Hightstown	do. 29	do. 19	Somerville	do. 15	Oct. 19
Indian Mills	do. 29	do. 19	Sussex	do. 29	Sept. 27
Jersey City	do. 15*	do. 19	Trenton	do. 15	Oct. 22
Lakewood	do. 29	do. 19	Tuckerton	do. 15*	do. 19
Lambertville	do. 20	....			
Layton	May 10	Sept. 27	For the State	May 11	Sept. 27

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1940

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	22.4	−8.5	62	−13	1.95	−1.70	3.47	0.98	5.6	23.8
February	31.9	+1.3	65	−1	3.03	−0.52	4.52	1.78	12.2	21.0
March	34.7	−4.5	72	8	5.14	+1.37	7.47	3.04	3.3	8.2
April	45.5	−4.1	79	15	5.62	+1.97	6.71	3.64	2.2	4.5
May	59.7	−0.7	92	28	6.29	+2.61	9.12	4.33	0.0	0
June	68.6	−0.4	95	32	3.28	−0.55	6.00	1.55	0.0	0
July	73.9	+0.1	101	40	2.73	−1.96	4.89	0.79	0.0	0
August	69.4	−2.6	95	32	5.96	+1.21	9.34	3.83	0.0	0
September	63.5	−2 3	93	25	4.41	+0.62	11.95	1.17	0.0	0
October	51.0	−3.6	82	11	2.36	−1.25	3.22	1.48	0.7	3.1
November	43.5	−0.2	76	10	4.66	+1.46	5.62	3.60	1.0	5.5
December	37.0	+3.2	67	−4	3.00	−0.55	5.27	1.62	3.1	5.1
Year	50.1	−1.9	104	−13	48.43	+2.71	11.95	0.79	28.1	23.8

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. JANUARY, 1941. No. 1.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

January 1941 averaged slightly below normal in temperature, in contrast to January of last year which was one of the five coldest months of record in New Jersey. There was no unusual cold, though readings of a few degrees below zero were recorded at several northern stations on the 30th which was the coldest day at most stations. The warmest days were the 1st, 22d and 23d, but the majority of stations did not record above 50° at any time.

Precipitation was comparatively uniform over the State, and was well-distributed throughout the month. The heaviest amounts occurred on the 16th at most places. At that time rain and sleet fell generally, and at some northern stations, snow also. Considerable snow with sleet fell at northern stations on the 24th, while rain fell elsewhere. The main snowstorm of the month, however, was on the 27th, ending on the 28th. This storm was general over the State and heavy except for about the southern one-third where it decreased rapidly to the south. The amounts ranged from six to eight inches over the northern two-thirds of the State, and that area remained heavily snow-covered at the close of the month.

Sunshine was about normal. There were strong winds on the coast on the 4th, 5th, 11th, 16th, 24th, 27th and 28th, reaching gale force on the 16th and 27th; no serious damage was reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 29.4°, which was 1.5° bleow normal. The highest temperature was 58° at Pleasantville on the 23d, and the lowest, −7°, at Layton on the 30th. The greatest daily range of temperature was 37° at Pleasantville on the 22d. The highest monthly mean temperature was 36.6° Barnegat City, and the lowest, 23.8° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −1.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 50 stations, was 3.47 inches, which was 0.18 inch below normal. The average total snowfall at 43 selected stations was 8.8 inches, which was 1.5 inches above normal. The greatest monthly precipitation was 5.29 inches at Long Branch, and the least, 2.08 inches at Paterson The greatest amount of precipitation in any 24 consecutive hours was 2.23 inches at Atlantic City on the 16-17th.

The average for the Highlands was 2.99(−0.44). for the Red Sandstone Plain 3.01(−0.57), and for the Southern Interior 3.81(+0.18) inches.

DATES OF MISCELLANEOUS PHENOMENA.

SLEET: 2, 15, 16, 24.

DENSE FOG: 2, 3, 4, 17, 18.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.14	30.60	7	29.64	4	16.8	45	ne.	16	76	60	68	49
Long Branch	30.13	30.60	7	29.55	4	14.5	44	ne.	16	72	57	68	49
Ridgefield	30.12	30.57	7	29.54	4		....		....	....	...	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	...	....	....
Trenton	30.14	30.62	7	29.61	4	10.0	26	nw.	4	71	58	66	49

COMPARATIVE DATA FOR JANUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	......	......	......	......	......
1886	27.3	60	−10	4.47	......	......	......	......	......
1887	28.4	67	−6	3.86	......	10	......	......	......
1888	25.4	59	−12	4.77	......	9	......	......	......
1889	36.2	60	8	5.68	......	9	......	......	......
1890	41.3	78	12	2.29	......	10	......	......	......
1891	34.2	59	10	5.57	......	10	10	11	10
1892	29.9	67	−6	5.13	......	10	10	9	12
1893	21.6	54	−21	3.04	......	9	10	10	11
1891	34.2	61	−4	2.34	......	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	......	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	0.8	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	1.50	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	20.3	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	22.8	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.6	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	42.4	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
1938	31.0	68	−19	3.64	4.0	12	10	7	14
1939	30.9	65	−10	3.98	10.2	11	11	6	14
1940	22.4	62	−13	1.95	5.6	7	16	6	9
1941	29.4	58	−7	3.47	8.8	10	12	6	13
Period	30.9	78	−34	3.65	7.3	10	11	8	12

Climatological Data for January, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	34.3	+1.8	56	23	17	30	22	4.31	+0.82	2.23	0.2	11	8	7	16	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§20	31.8	....	53	23	7	14	29	3.71	....	1.94	0.4	11	8	12	11	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	46	32.0	−1.6	56	23	6	14	34	3.64	+0.10	1.02	1.5	8	14	5	12	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	27.7	−0.3	55	1	10	14†	25	3.54	−0.22	1.00	16.5	7	16	5	10	....	Miss C. S. Hixson.
Boonton	Morris	280	§50	26.4	−1.5	45	1	1	30	30	2.65	−0.73	1.23	....	9	12	2	17	ne.	John Kline.
Bridgeton	Cumberland	30	57	32.7	−1.1	53	23	14	30	27	3.51	+0.06	1.24	0.6	11	12	6	13	n.	Bennett K. Matlack
Burlington	Burlington	12	§54	32.5	−0.7	47	1	14	14	27	3.48	−0.09	1.10	7.0	10	11	7	13	nw.	Public Service G. & E. Co.
Canoe Brook‡‡	Essex	180	10	26.3	−3.1	47	23	−2	30	34	3.12	−0.89	1.47	....	9	8	10	13	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	25.4	−2.1	43	18†	2	30	28	2.96	−0.66	0.84	16.6	10	12	4	15	nw.	Newark Water Dept
Chatham	Morris	185	36	....	....	....	....	....	....	....	3.16	−0.81	1.40	6.0	10	13	4	14	....	Paul Molitor. Sr.
Chatsworth	Burlington	90	....	31.0	....	52	22†	6	14	36	3.77	....	1.16	....	9	14	8	9	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	27	31.1	−0.8	53	23	9	30	30	3.94	+0.37	1.02	3.5	9	10	2	19	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	....	....	....	....	....	....	....	2.49	−0.55	0.60	14.3	7	....	....	....	....	L. S. Depue.
Dover	Morris	600	56	25.8^{d}	−1.5	45	1	5	30	....	2.91	−1.09	1.43	16.5	9	8	10	13	....	William C. Harris
Egg Harbor City	Atlantic	63	18	....	....	....	....	....	....	....	4.39	+0.73	1.51	0.8	11	20	2	9	....	Chas. E. Hall.
Elizabeth	Union	34	61	30.2	−0.7	51	1	5	30	29	3.30	−0.40	0.85	8.9	10	13	1	17	ne.	Union County Park Comr
Flemington	Hunterdon	140	§54	29.4	−1.1	51	1	6	30	27	3.03	−0.44	0.82	10.9	12	17	3	11	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	29.4	....	49	22†	7	30	29	4.79	+0.77	1.24	9.2	11	18	3	10	nw.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	32.2	....	54	23	11	14†	30	3.98	+0.24	1.00	3.7	11	14	6	11	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	29.6	−0.9	48	23	8	30	25	3.23	−0.24	0.80	8.0	14	13	6	12	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	30.6	−1.8	52	23	7	30	32	3.79	−0.18	1.01	5.2	11	13	7	11	nw.	Edward Entwistle.
Jersey City	Hudson	81	42	31.2	−1.4	49	1	10	14†	20	3.32	−0.38	0.92	9.3	10	9	6	16	nw.	Jersey Journal.
Lakewood	Ocean	54	36	30.8	−1.4	51	22†	8	30	35	4.51	+0.51	1.10	5.5	10	9	9	13	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Wm. J. Lauderdale.
Layton (near)‡‡	Sussex	480	39	23.8	−1.8	43	23	−7	30	32	2.12	−0.86	0.51	18.2	7	9	3	19	ne.	A. M. Depue.
Little Falls	Passaic	157	37	27.6	−1.9	47	1	5	30	28	3.45	−0.22	1.55	10.6	11	10	7	14	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	30.5	−1.5	50	23	11	30	26	5.29	+1.15	2.18	7.4*	11	10	3	18	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	10	25.9	....	47	1	5	29†	32	3.08	....	1.30	15.0	5	17	1	13	w.	Arthur Barkman.
Moorestown	Burlington	62	77	29.9	−1.3	51	23	8	30	28	3.82	+0.48	1.27	9.0	10	12	6	13	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	29.0	−0.9	48	1	10	30	23	3.15	−0.51	1.38	11.6	10	4	11	16	n.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	29.4	−1.2	48	1†	8	30	28	3.30	−0.10	1.14	5.0	12	11	5	15	w.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	....	....	....	....	....	....	....	3.47	+0.01	1.51	....	11	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	57	27.0^{d}	+0.4	44	1	−1	30	....	2.10	−1.20	0.52	15.0	10	....	....	....	....	Irving J. Kern.
N. Merchantville	Camden	63	6	30.8	....	52	23	13	30	26	3.67	....	1.17	9.4	10	14	4	13	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	69	27.9	−2.3	48	1	6	30	29	2.08	−1.47	1.09	10.7	11	16	6	9	nw.	J. W. Cook.
Pemberton	Burlington	55	10	32.0	−2.5	57	2	9	30	31	3.65	+0.12	1.04	6.7	12	14	3	14	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	26.0	−2.8	44	1	9	30	22	4.69	+1.31	1.24	13.7	14	12	8	11	....	Town Engineer.
Plainfield	Union	120	52	29.7	−0.6	49	1	11	30	27	2.98	−0.67	1.00	9.1	12	12	6	13	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	31.9	−1.7	58	23	8	8	37	4.18	+0.98	1.85	....	9	15	4	12	nw.	N. J. Water Policy Comm.
Rahway	Union	20	....	....	....	....	....	....	....	....	3.30	....	1.25	12.0	6	14	5	12	....	Norman C. Wittwer.
Ridgefield	Bergen	80	23	27.6	−1.9	47	23	7	30	26	3.69	+0.03	0.91	14.5	12	8	11	12	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	27.4	−3.3	57	1	0	29	36	4.14	+0.55	0.85	....	8	15	7	9	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Weather Bureau
Somerville (near)	Somerset	385	57	28.9	−0.6	49	1	6	30	31	2.80	−0.72	1.10	12.1	5	14	8	9	w	Richard H. Rogers.
Sussex	Sussex	450	45	25.2	−2.0	45	1	−3	30	27	2.50	−0.47	0.72	16.6	9	15	5	11	ne.	Marshall Hunt.
Toms River	Ocean	33	19	....	....	....	....	....	....	....	3.61	−0.31	1.50	5.7	8	....	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	68	29.6	−0.9	49	23	11	30	21	3.49	+0.18	1.13	7.6	11	10	6	15	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	29.7	....	49	23	10	30	22	3.59	....	1.24	9.4	10	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	47	33.0	−1.0	57	23	10	14	30	2.97	−0.70	1.05	0.1	9	16	3	12	nw.	John H. Brown.
Vineland	Cumberland	109	60	....	....	....	....	....	....	....	4.20	+0.68	1.36	2.6	10	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	....	....	....	....	....	....	....	....	3.18	....	1.52	7.5	7	18	3	10	nw	Town Engineer.
Woodbury	Gloucester	50	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	....	....	....	....	....	....	....	3.57	+0.03	1.57	....	11	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Charles Bishop.
New York, N. Y.	....	10	70	29.8	−1.1	49	1	9	30	25	3.33	−0.33	1.46	7.8	10	10	4	17	n.	U. S. Weather Bureau
Philadelphia, Pa	....	26	69	31.8	−0.8	52	23	15	30	22	3.16	−0.14	1.02	6.2	12	11	4	16	n.	U. S. Weather Bureau.
For the State	....	....	....	29.4	−1.5	58	23	−7	30	37	3.47	−0.18	2.23	8.8	10	12	6	13	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-2-27-41-925

Daily Precipitation for January, 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast	...	.42	.14	.03	...	...	...	...	T.	...	...	...	...	...	T.	2.22	.01	...	.01	...	...	T.	.03	.81	T.	.09	.53	.02	...	...	T.	4 31
Barnegat City[4]	Coast	...	.25	.18	.06	...	...	...	...	T.	...	...	...	...	...	.01	1.94	T.	...	T.	...	...	.05	.02	.53	T.	.05	.60	...	...	...	.02	3.71
Belleplain	Tuckahoe	...	.19	.31	.21	...	...	...	...	...	...	...	...	...	...	...	.82	.65	.08	T.	...	...	...	...	T.	1.02	...	36	...	...	...	T.	3.64
Belvidere	Delaware	...	.24	.20	T.	...	...	...	...	T.	T.	...	...	...	...	T.	.30	1.00	...	...	...	...	...	...	.70	...	...	.90	.20	T	T	...	3.54
Boonton[3]	Passaic	...	...	.28	.07	T.	...	...	...	...	T.	...	...	...	...	T	.07	1.23	.04	T.	T.	...	...	.08	...	.58	...	.13	.17	...	...	...	2.65
Bridgeton	Delaware	...	.33	.14	08	...	...	...	...	...	T.	...	...	...	...	T.	1.24	.25	...	.05	...	...	...	.06	.25	.73	T.	.28	...	...	...	.10	3.51
Burlington	...do	...	.05	.30	.07	T.	...	...	...	.06	...	...	...	...	...	T	.38	.75	...	T.	...	...	...	...	.07	1 10	...	.48	.22	...	...	T.	3.48
Canoe Brook[3]	Passaic	...	...	.33	.13	...	...	...	...	...	.02	...	...	...	...	...	.11	1.47	.01	...	...	...	...	.10	...	.76	...	...	.19	...	...	...	3.12
Cape May[4]	Coast	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Charlotteburg	Passaic	...	...	.40	...	.04	...	...	...	...	T.	...	...	...	...	T	.37	.84	.04	...	...	...	...	.06	.17	.61	...	.28	.15	...	...	...	2.96
Chatham[3]	..do	...	...	.33	.13	...	...	...	...	...	.02	...	...	...	...	...	.06	1.40	.07	T.	...	...	...	.11	...	.55	...	.16	.33	...	...	...	3.16
Chatsworth	Delaware	...	.12	.30	25	...	...	...	...	...	...	...	...	...	...	...	66	.50	...	...	...	...	...	.09	...	1.16	...	.56	.13	...	...	...	3.77
Clayton	Delaware	...	.30	.18	.14	...	...	...	...	...	...	...	...	...	...	...	1.02	.54	...	T	...	...	...	.09	.15	.97	...	.55	...	...	...	...	3.94
Culvers Lake	...do	...	T.	.44	T.	...	...	...	...	T.	T.	...	...	...	...	T.	.60	.40	...	...	...	...	...	...	.30	.34	...	.33	.08	...	...	...	2.49
Dover	Passaic	...	.35	...	...	T	...	...	...	.05	...	...	...	...	...	T.	*	1.43	...	.05	...	...	T.	.13	.35	...	...	*	.55	...	T.	...	2.91
Egg Harbor City[2]	Mullica	...	.45	.22	.04	...	...	...	...	.02	...	...	...	...	...	.01	1.51	.03	...	T.	...	...	.05	...	1.30	T.	.04	.72	...	...	...	...	4.39
Elizabeth	Coast	...	T.	.06	.16	...	...	...	...	...	T	...	...	...	...	T.	.67	.85	.12	T.	...	...	...	.11	.28	.67	...	.20	.18	...	...	...	3.30
Flemington	Raritan	...	.05	.24	.15	T.	...	...	...	T.	.04	...	...	...	...	.02	.82	.46	...	...	...	...	...	.14	.42	.19	...	.24	.26	...	...	...	3.03
Freehold	.do	...	.16	.29	.27	T.	...	...	...	...	.02	...	...	...	...	T	1.24	.38	T.	...	...	...	...	.15	.39	.87	...	.89	.13	...	...	...	4.79
Hammonton	Mullica	...	.30	.18	.20	.03	...	...	...	...	T.	...	...	...	...	T.	.84	.53	...	T.	...	...	...	.11	15	1.00	...	.45	.19	...	...	T.	3.98
Hightstown	Raritan	...	.09	.29	.30	.01	...	...	...	...	.01	...	...	...	...	.01	.53	.56	.01	...	...	...	...	.12	.17	.80	...	.25	.08	T.	...	T.	3.23
Indian Mills	Mullica	...	.20	.18	.19	T.	...	...	...	...	T.	...	...	...	...	T.	1.01	36	.01	T	...	...	...	.06	30	.92	...	.45	.11	...	...	T.	3.79
Jersey City	Coast	...	...	.14	.10	.18	...	...	...	...	T	...	...	...	...	T.	.92	.61	T.	T.	...	...	...	.06	.18	.70	...	.27	.16	T	...	...	3.32
Lakewood	Metedeconk	T.	.25	.24	.38	...	...	...	...	...	T.	...	...	...	...	T.	.85	.65	T.	...	...	...	...	.07	.24	1.10	...	.55	.18	...	...	T.	4.51
Lambertville(nr).	Delaware	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Layton(near)	...do	...	T	.36	T.	...	...	...	...	T.	T.	...	...	...	...	T.	.26	.51	...	...	...	...	...	...	.27	.40	...	.19	.13	...	...	...	2.12
Little Falls[3]	Passaic	...	...	.34	.08	T.	...	...	...	...	.01	...	...	...	...	.01	.09	1.55	.01	T.	...	...	...	.07	...	.82	...	.24	.23	...	...	...	3.45
Long Branch[2]‡	Coast	...	.32	.04	.22	...	...	...	...	T.	...	...	...	...	...	.03	2.18	.04	T.	T.	...	...	.04	.02	1.71	T.	.07	.62	...	T.	...	...	5.29
Long Valley[3]	Raritan	...	...	.18	...	...	...	...	...	T.	...	...	...	...	...	T.	...	*1.30*	...	...	...	...	...	.20	.80	...	...	...	*.60*	...	T.	...	3.08
Moorestown[3]	Delaware	...	...	.35	.13	.02	...	...	...	...	T.	...	...	...	...	T	.02	1.27	*.02*	T.	...	...	...	.07	...	1.20	...	.46	.28	...	...	...	3.82
Newark[4]	Coast	...	.25	.01	.12	...	...	...	...	T.	...	...	...	...	...	T.	1.38	.07	...	T.	...	...	.06	...	.88	T.	.05	.28	.05	T.	T.	...	3 15
New Brunswick	Raritan	...	.08	.32	.17	...	...	...	...	...	.03	...	...	...	...	.04	.17	1.14	...	...	...	...	...	.14	.04	*82*	...	.25	.10	...	...	...	3.30
New Milford[2]‡	Hackensack	...	.19	.05	.13	...	...	...	...	.02	...	...	...	...	...	...	1.51	.29	...	...	...	...	.03	.03	.81	...	.02	.39	...	...	...	...	3 47
Newton	Delaware	...	.23	.13	.03	...	...	...	...	T.	.03	...	...	...	...	.02	.52	.39	...	T	...	.25	...	...	*.20*	T.	...	*.30*	...	...	...	...	2.10
N. Merchantville[2]‡	Delaware	...	.35	.02	.09	...	...	...	...	T.	...	...	...	...	...	T	1.17	.05	T.	T.	...	...	.09	...	1.05	T.	.13	.67	.05	...	...	T.	3.67
Orange[2]‡	Rahway	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Paterson[3]	Passaic	...	.20	.06	.04	...	...	...	...	T.	...	...	...	...	...	.01	1.09	.05	...	T.	...	...	.06	T.	.35	T.	.04	.17	.01	T.	...	...	2.08
Pemberton	Delaware	...	.12	.34	.19	.02	...	...	...	...	...	...	...	...	...	...	.58	.48	.01	...	...	...	...	.06	.16	1.04	...	.39	.26	...	...	T.	3.65
Phillipsburg	...do	...	.40	.09	.08	...	...	...	...	.06	...	...	...	...	...	.06	1.24	.15	.03	T	...	...	.08	.03	1.20	T	.15	1.04	.08	T	T	T.	4.69
Plainfield	Raritan	...	.28	.01	.15	...	...	...	...	.02	.01	...	...	...	...	T.	1 00	.35	T.	T.	...	...	...	.08	.56	.19	...	.27	.06	T.	...	T	2.98
Pleasantville[3]	Coast	...	...	.42	.22	...	...	...	...	...	T.	...	...	...	...	T.	.05	1.85	T.	.02	T.	...	...	.02	...	.83	...	.32	.45	T.	...	T	4.18
Rahway[3]‡	Rahway	...	...	.30	.15	...	...	...	...	...	T.	...	...	...	...	...	T.	1.25	...	...	...	...	...	.10	...	.70	...	*.80*	T.	...	...	...	3.30
Ridgefield[2]	Hackensack	...	.30	...	.19	T.	...	...	...	T.	.01	...	...	...	...	.02	.91	.46	...	T.	...	...	...	.04	.03	.90	.02	.42	.39	T.	T	...	3.69
Runyon	Coast	...	...	.41	.36	...	...	...	...	...	...	...	...	...	...	...	.55	.85	...	...	...	...	...	.21	.36	.69	...	...	.71	...	...	...	4.14
Sandy Hook[1]‡	Coast	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Somerville(near)	Raritan	...	*.25*	...	...	...	...	...	...	...	T.	...	...	...	...	T.	1.10	...	...	T.	...	...	...	.75	.30	...	...	*.40*	...	...	...	...	2.80
Sussex	Hudson	...	.20	.20	.01	...	...	...	...	T.	T.	...	...	...	...	T.	.25	.72	...	...	...	...	...	T.	.35	.38	...	.26	.13	...	...	...	2.50
Toms River	Coast	...	10	*	.53	...	...	...	...	...	...	...	...	...	...	...	1.50	.50	...	...	...	...	...	.07	.34	...	...	.52	05	...	...	...	3 61
Trenton[1]‡	Delaware	...	.34	.13	.05	...	...	...	...	T.	...	...	...	...	...	.01	1.13	.02	T.	T.	...	...	.12	T.	96	T.	.08	.63	.02	T	...	T.	3.49
Trenton No. 2[2]	Delaware	...	.31	.08	.11	...	...	...	...	T.	...	...	...	...	...	T	1.24	.02	...	T.	...	...	.12	T.	1.04	T.	.12	.51	.04	...	...	T.	3.59
Tuckerton	Coast	...	.07	.32	.18	...	...	...	...	...	...	...	...	...	...	T.	.74	1.05	...	...	...	...	...	.02	...	...	...	58	.01	...	...	...	2.97
Vineland[3]	Maurice	...	...	.50	.14	...	...	...	...	...	T.	...	...	...	...	T.	.13	1.36	.02	.04	...	...	...	.07	...	1 15	...	.29	.50	...	...	...	4.20
Westfield[3]‡	Rahway	...	.30	...	.14	...	...	...	...	...	...	...	...	...	...	...	.14	1.52	...	...	...	...	...	...	.14	.66	...	.28	...	...	...	...	3.18
Woodbury	Delaware	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Woodcliff Lake[2]‡	Hackensack	...	.23	.06	.10	...	...	...	...	.02	...	...	...	...	...	...	1.57	.26	...	...	...	...	.02	.02	.77	...	.02	.50	...	...	...	...	3.57
Woodstown	Delaware	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
New York, N. Y[1]‡	Coast	...	.25	.04	.17	...	...	...	...	T.	T.	...	...	...	...	T	1.41	.06	T.	T.	...	...	.07	.01	.88	T.	.02	.42	T.	T.	...	...	3.33
Phila., Pa[1]‡	Delaware	...	.37	.02	.05	...	...	...	...	T.	...	...	...	...	...	T.	.97	.02	.01	T.	...	...	.03	...	1.02	T.	.12	.51	.03	...	...	.01	3.16

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pleasantville[3]	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Runyon	Evaporation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Wind movement	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for January, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	50	45	46	44	29	39	36	37	41	40	37	41	45	31	35	44	44	47	42	35	39	45	56	48	40	37	39	34	38	38	39	40.7
	Minimum	33	38	41	22	21	25	22	22	29	28	26	28	26	17	26	35	38	41	24	23	18	33	35	30	30	27	34	26	23	17	26	27.9
Barnegat City‡	Maximum	47	51	49	48	41	38	34	34	41	38	36	39	43	27	36	48	48	48	47	46	36	44	53	48	39	35	37	32	37	33	38	41.0
	Minimum	29	34	38	21	19	24	16	19	17	22	28	13	14	7	18	33	34	37	21	19	14	22	28	28	26	23	29	22	10	12	20	22.5
Belleplain	Maximum	48	42	44	44	40	38	37	38	40	40	35	39	44	36	28	43	48	46	44	37	38	50	56	50	49	38	38	38	37	39	39	41.4
	Minimum	26	29	39	32	18	21	16	9	13	25	18	21	28	6	12	25	34	37	23	21	10	16	43	28	27	21	29	21	17	12	20	22.5
Belvidere	Maximum	55	42	35	40	34	35	35	33	33	37	37	39	37	25	25	26	36	38	34	29	30	39	40	35	39	35	29	30	36	28	35	34.9
	Minimum	30	28	28	32	17	23	17	15	19	27	17	27	23	10	15	12	20	33	24	18	13	18	33	21	20	16	15	19	19	10	18	20.5
Boonton§§	Maximum	45	34	37	41	32	33	32	35	34	35	34	37	35	24	23	35	35	40	33	25	34	43	44	28	36	34	25	31	36	31	32	34.0
	Minimum	32	26	26	33	18	20	18	11	14	20	20	18	19	8	8	17	17	32	30	17	14	16	17	21	21	19	19	19	19	1	9	18.7
Bridgeton	Maximum	46	42	43	42	40	38	34	36	41	37	38	38	42	35	28	40	40	45	42	33	35	49	53	45	44	37	36	34	37	38	38	39.2
	Minimum	30	33	38	33	20	22	21	18	22	30	21	23	35	22	19	25	34	37	27	23	17	22	36	29	28	25	30	22	19	14	25	25.9
Burlington	Maximum	47	44	38	42	40	37	34	37	41	39	36	43	45	41	37	36	37	41	40	32	36	44	43	35	38	38	38	37	36	34	38	38.8
	Minimum	32	32	33	35	18	22	20	18	21	28	22	38	34	14	25	21	34	35	28	30	16	34	20	20	33	34	29	21	20	21	25	26.2
Canoe Brook§§	Maximum	46	34	36	42	32	33	31	38	34	38	36	38	41	26	20	33	31	40	33	28	39	45	47	30	39	34	25	28	39	30	34	34.9
	Minimum	26	22	29	33	17	23	16	7	11	21	11	15	31	7	9	18	19	32	30	17	12	13	22	17	24	12	22	19	5	−2	10	17.7
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	42	42	35	40	39	30	29	34	32	33	33	33	34	25	22	28	31	43	41	27	34	39	43	37	34	33	30	29	37	30	30	33.9
	Minimum	31	21	20	31	12	21	9	10	10	20	10	19	24	3	10	14	21	30	22	12	9	11	34	17	20	17	17	14	11	2	19	16.9
Chatsworth	Maximum	45	41	43	42	37	36	33	34	40	39	36	38	42	32	27	38	40	45	42	32	35	52	52	45	42	37	34	34	37	36	39	38.9
	Minimum	28	26	38	34	18	24	17	12	12	27	16	22	28	6	8	24	35	37	28	21	14	16	42	25	36	21	29	21	17	10	23	23.1
Clayton	Maximum	45	41	41	42	41	37	35	35	41	39	37	40	44	36	26	38	39	44	41	33	35	49	53	44	40	36	37	34	37	36	37	39.1
	Minimum	30	29	34	31	17	21	18	15	19	34	20	22	27	12	14	22	31	34	25	20	15	19	37	27	25	22	28	19	16	9	24	23.1
Dover	Maximum	45	36	35	40	31	32	31	34	33	34	34	35	35	27	21	....	40	42	36	29	32	40	43	....	36	33	....	29	35	23	33	34.1^{c}
	Minimum	30	26	30	20	15	19	17	13	16	20	15	21	16	6	14	16	....	....	20	15	12	16	20	20	....	20	18	....	12	5	18	17.4^{d}
Elizabeth	Maximum	51	41	40	45	38	39	32	38	37	45	38	38	40	30	25	32	39	42	39	32	38	47	49	48	43	37	33	35	39	31	42	38.8
	Minimum	26	30	32	34	18	24	17	15	18	26	23	[illegible]	28	10	14	19	30	33	27	18	10	18	36	25	27	19	24	20	11	5	16	21.7
Flemington	Maximum	51	41	35	44	38	37	35	40	35	34	33	41	35	31	25	32	35	39	37	27	37	44	45	40	40	34	33	29	39	30	38	36.6
	Minimum	29	29	29	33	18	24	18	15	19	25	20	24	31	12	15	19	32	33	27	18	12	18	35	24	25	23	23	20	18	6	11	22.1
Freehold	Maximum	45	39	41	41	37	34	33	33	41	40	35	37	40	28	25	34	39	43	39	29	34	49	49	39	35	37	32	30	35	32	37	36.8
	Minimum	32	28	34	32	16	23	16	13	19	23	19	20	26	10	16	22	32	35	24	17	13	20	37	24	25	21	26	20	13	7	22	22.1
Hammonton	Maximum	47	44	43	43	40	37	35	37	41	40	37	40	45	36	29	40	40	45	42	38	38	50	54	47	43	37	35	34	37	36	39	40.4
	Minimum	30	29	37	34	18	22	18	15	18	27	21	21	27	11	15	27	35	36	29	21	13	20	42	27	27	23	29	21	18	11	25	24.1
Hightstown	Maximum	47	45	38	41	40	35	34	34	40	38	35	38	40	32	25	33	37	42	40	31	33	46	48	40	37	34	32	29	36	28	37	36.9
	Minimum	29	28	31	33	17	23	18	14	19	25	21	22	30	12	15	22	32	33	25	19	13	21	38	24	26	22	26	19	14	8	16	22.4
Indian Mills(near)	Maximum	46	38	42	42	36	36	34	35	40	37	36	40	43	32	26	38	39	44	40	34	37	49	52	41	41	36	34	33	36	37	39	38.5
	Minimum	27	27	37	34	18	24	18	11	14	25	18	22	29	11	11	24	34	36	26	21	10	17	40	25	27	21	29	20	17	7	25	22.7
Jersey City	Maximum	49	43	39	44	39	37	31	35	40	41	36	38	37	28	31	35	39	42	39	29	35	48	48	39	36	33	32	31	39	29	36	37.4
	Minimum	34	30	36	35	19	26	20	18	26	31	22	24	28	10	18	24	34	34	28	18	16	28	40	26	25	23	25	20	25	10	21	25.0
Lakewood	Maximum	47	41	43	42	37	37	35	35	41	38	36	39	43	29	26	38	40	45	40	32	36	51	51	40	39	34	33	32	36	32	38	38.3
	Minimum	29	28	40	34	18	23	19	13	14	27	19	22	29	10	11	26	34	36	27	19	13	16	40	25	28	23	29	22	16	8	21	23.2
Lambertville (near)	Maximum	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum	36	32	33	33	32	30	21	23	29	30	36	33	34	19	21	25	35	39	40	29	34	39	43	32	35	32	25	32	34	25	31	31.4
	Minimum	30	20	25	30	14	19	9	4	11	29	8	16	17	2	7	15	24	32	29	14	9	9	30	13	30	9	14	16	11	−7	14	16.2
Little Falls§§	Maximum	47	34	37	42	32	36	32	36	33	38	37	38	36	26	23	33	36	41	33	27	35	45	45	32	39	34	26	31	37	33	34	35.1
	Minimum	30	25	29	33	18	20	18	14	17	23	19	19	33	9	12	17	19	32	31	17	13	18	24	22	23	16	21	19	15	5	15	20.2
Long Branch*	Maximum	48	41	42	42	30	36	34	34	38	38	35	38	39	26	28	37	40	45	40	30	36	48	50	38	38	34	33	31	36	29	37	37.1
	Minimum	30	33	37	22	19	25	21	18	19	29	27	23	19	13	19	25	34	36	23	19	15	22	32	28	28	27	25	24	17	11	20	23.9
Long Valley§§	Maximum	47	35	36	40	30	33	32	33	33	35	34	37	35	25	23	34	41	40	32	27	32	27	44	29	37	34	25	29	35	34	37	33.7
	Minimum	27	25	28	32	16	20	17	15	14	21	13	18	25	8	9	17	18	32	29	13	12	15	12	19	22	21	22	17	5	5	14	18.1
Moorestown	Maximum	47	37	39	40	29	36	34	37	41	36	36	40	43	28	28	35	38	42	38	34	35	48	51	37	36	35	33	29	36	31	37	36.6
	Minimum	32	31	32	26	19	24	20	17	21	25	20	26	32	9	18	22	33	33	25	22	16	20	30	26	25	23	22	20	19	8	22	23.2
Newark‡	Maximum	48	36	36	44	32	35	32	36	37	38	35	38	38	26	26	33	36	43	37	29	35	47	47	32	36	33	30	31	37	26	35	35.6
	Minimum	32	30	34	23	20	23	19	18	22	26	22	24	17	10	18	18	32	35	22	18	14	24	32	23	26	21	22	20	15	10	22	22.3
New Brunswick	Maximum	48	44	36	41	38	35	34	36	38	38	35	38	39	29	24	36	35	41	38	29	33	46	48	39	36	35	31	31	36	30	37	36.6
	Minimum	28	28	31	33	18	24	18	13	18	28	20	23	29	11	15	19	30	33	26	18	13	18	39	23	26	20	20	19	17	8	20	22.1
Newton	Maximum	44	34	32	40	32	31	29	35	34	34	34	34	34	27	22	24	34	38	35	32	39	41	42	39	....	....	....	....	31	26	39	33.9^{d}
	Minimum	27	22	23	28	11	18	13	9	14	21	13	15	18	2	7	16	21	29	16	18	8	16	27	14	....	....	....	....	13	−1	8	20.0^{d}
N. Merchantville*	Maximum	47	36	38	44	28	37	36	36	42	37	37	40	43	27	26	34	37	42	38	35	37	49	52	36	37	35	32	30	37	35	40	37.4
	Minimum	33	32	35	19	19	23	21	20	26	28	23	27	21	15	22	24	33	35	24	22	19	23	30	28	27	24	23	21	19	13	23	24.3
Paterson§§	Maximum	48	35	38	43	33	37	34	37	34	39	37	38	36	27	25	35	36	41	35	28	36	44	46	29	38	35	28	33	38	32	34	35.8
	Minimum	32	28	29	33	18	20	18	15	15	22	22	21	22	9	9	17	18	32	31	16	13	15	22	23	23	20	22	20	19	6	10	20.0
Pemberton	Maximum	48	57	42	44	44	38	36	36	41	39	37	40	44	35	27	37	37	42	40	35	35	51	51	43	40	37	34	33	37	35	39	39.8
	Minimum	31	31	34	35	18	24	20	16	19	28	22	23	31	13	15	24	33	35	25	21	16	20	40	27	27	24	28	20	15	9	23	24.1
Phillipsburg	Maximum	44	35	34	36	27	30	28	30	33	32	33	34	36	22	22	30	35	34	33	25	27	38	42	30	33	30	26	26	35	25	34	31.6
	Minimum	30	29	30	22	17	21	19	18	19	25	19	23	21	12	19	19	30	27	21	18	14	19	29	20	23	20	17	19	15	9	12	20.6
Plainfield	Maximum	49	35	35	42	31	37	36	38	36	38	37	38	40	30	25	31	35	41	36	30	35	47	47	35	40	36	29	34	39	27	38	36.4
	Minimum	29	29	33	30	20	25	19	16	19	26	24	25	22	12	15	20	32	34	25	17	15	20	35	24	27	23	23	20	20	11	23	23.0
Pleasantville§§	Maximum	49	44	47	45	29	39	38	40	43	41	39	42	46	32	37	50	42	49	35	37	40	51	58	50	42	37	41	33	39	40	42	41.8
	Minimum	26	25	38	33	17	23	17	8	10	20	17	23	24	10	10	25	37	36	30	18	12	14	35	28	27	21	26	23	17	13	19	22.0
Ridgefield*	Maximum	45	34	36	41	32	34	30	33	37	38	34	38	37	23	24	34	35	41	36	27	34	46	47	37	36	34	26	31	37	25	34	34.5
	Minimum	28	27	33	22	18	19	17	15	20	25	21	20	15	9	17	18	33	32	22	17	14	24	31	23	24	19	20	19	11	7	21	20.7
Runyon	Maximum	57	34	38	40	39	40	36	33	39	38	34	39	38	30	24	32	38	39	35	29	34	39	48	40	39	34	30	32	35	30	34	36.4
	Minimum	21	24	32	31	16	25	16	2	8	26	13	16	8	9	4	20	32	30	29	17	11	10	37	26	25	25	25	19	0	1	10	18.3
Sandy Hook*	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Somerville(near)	Maximum	49	42	35	43	48	35	36	38	45	39	38	38	38	29	24	32	35	39	39	29	35	45	47	37	39	39	32	32	38	32	38	37.6
	Minimum	27	27	29	32	17	22	15	12	17	23	16	21	26	9	13	17	28	31	25	16	9	18	35	20	23	19	21	18	17	6	18	20.2
Sussex	Maximum	45	37	33	40	35	33	30	32	31	35	35	35	36	22	21	24	34	39	37	23	34	40	43	35	37	32	26	31	36	24	31	33.1
	Minimum	33	25	25	32	15	24	15	6	13	26	15	16	21	5	9	14	23	33	22	14	9	16	33	17	17	6	11	16	14	−3	15	17.3
Trenton*	Maximum	47	36	37	41	29	35	33	35	40	36	36	37	39	25	25	34	37	42	38	32	35	46	49	33	36	33	29	28	35	30	36	35.6
	Minimum	33	31	35	20	19	22	20	20	25	28	24	27	18	14	19	21	34	35	24	21	17	25	30	26	27	24	22	20	17	11	21	23.5
Trenton No. 2*	Maximum	47	34	37	42	29	36	35	36	40	38	37	39	41	27	26	33	37	42	38	32	35	46	49	33	37	35	29	31	37	30	36	36.3
	Minimum	31	30	34	20	18	24	20	17	22	28	22	26	23	13	19	21	33	35	23	20	15	25	29	25	26	22	23	21	19	10	22	23.1
Tuckerton	Maximum	50	49	48	48	38	39	38	38	38	42	39	41	45	40	33	40	45	48	38	35	40	45	57	49	48	38	38	38	38	38	40	42.0
	Minimum	28	30	40	35	19	25	14	12	17	26	21	23	24	10	16	18	38	38	30	21	14	20	40	28	28	24	31	23	18	12	25	24.1
New York, N. Y.*	Maximum	49	40	42	44	33	86	31	33	40	38	35	38	37	27	31	35	39	42	37	29	36	46	48	34	35	35	33	30	38	29	35	36.6
	Minimum	32	29	38	23	19	22	19	18	28	30	24	24	17	10	19	24	34	34	20	17	16	27	31	26	25	24	24	20	13	9	21	23.1
Philadelphia, Pa.*	Maximum	49	37	39	42	30	38	37	37	39	38	38	39	42	29	28	35	39	42	40	34	35	49	52	36	37	35	32	31	37	34	38	37.7
	Minimum	35	33	37	20	19	24	23	22	30	32	26	28	22	16	23	25	35	37	24	24	20	28	34	29	28	26	23	22	21	15	24	26.0

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. FEBRUARY, 1941. No. 2.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

This was the coldest February of the last five years although the State average temperature was only 1.2° below normal. All stations, except four, showed a deficiency in temperature. The minimum for the State of −5° reached at two stations is not as low, however, as is generally recorded in February somewhere in the State. There was no extended period of severe cold and only three stations recorded zero or lower. The warmest days were the 7th and 12th, but at most stations the temperature did not reach 50°, the maxima being considerably lower than those of February last year which occurred on the 12th also.

February precipitation was about 70% of normal. Heavy rains fell on the 7th over the State which accounted for about half of the month's precipitation, and at some stations considerably more than half. A heavy snowfall on the 28th produced most of the remainder. This heavy snowfall occurred in connection with an Atlantic storm which caused general snows on the Eastern seaboard and Appalachian region from Virginia to New England. The storm was centered off the South Carolina coast on the 27th, and moved slowly northeastward during the following two days with its center approximately 200 miles off shore. The snowfall from this storm, including that which fell on the morning of March 1st, was unusually heavy over practically the entire State. The amounts appear to have been extremely heavy for about 25 miles inland from the coastline. Atlantic City recorded 18 inches and Plainfield 17 inches in the north, while Hammonton, Frehold, Lakewood, Pemberton and several other stations recorded 14 or 15 inches. The snow was also drifted badly by strong winds.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 29.4°, which was 1.2° bleow normal. The highest temperature was 53° at Belleplain and Hammonton on the 7th, and the lowest, −5°, at Charlotteburg and Layton on the 6th. The greatest daily range of temperature was 45° at Charlotteburg on the 6th. The highest monthly mean temperature was 32.8° at Jersey City, and the lowest, 25.2° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −1.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 51 stations, was 2.47 inches, which was 1.08 inches below normal. The average total snowfall at 22 selected stations was 8.8 inches, which was just normal. The greatest monthly precipitation was 3.74 inches at Long Branch, and the least, 0.63 inch at Layton The greatest amount of precipitation in any 24 consecutive hours was 2.41 inches at Jersey City on the 7th.

The average for the Highlands was 2.18 inches. for the Red Sandstone Plain 2.64 inches, and for the Southern Interior 2.58 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −1.61 inches; Red Sandstone Plain, −1.53 inches; Southern Interior, −0.87 inches.

DATES OF MISCELLANEOUS PHENOMENA.

SLEET: 17.
DENSE FOG: 7, 13, 14, 15.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlautic City	29.93	30.33	10	29.04	7	16.6	38	nw.	28	66	57	62	63
Long Branch	29 91	30.34	10	28.90	7	13.1	40	w.	18	70	53	66	64
Ridgefield	29.89	30.32	11	29.84	7	..	....	.. ..	....	....	....	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	29.92	30.34	10	29 04	7	10.8	26	nw.	18	66	52	59	62

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	.. ....	......	......	......	......
1886	28.9	64	−10	5.42	....	......	......	......	......
1887	33.9	69	6	5.24	....	13	......	......	......
1888	30.6	60	−5	3.53	....	8	......	......	......
1889	27.7	53	−3	2.49	....	8	......	......	......
1890	39.9	76	14	4.17	....	10	......	......	......
1891	38.0	71	1	5.11	....	14	6	9	13
1892	33.6	58	7	1.63	....	7	7	9	13
1893	30.1	63	−1	5.73	....	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	6.77	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	31.3	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	0.94	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8 3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	0.7	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	80	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	18.6	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	−21	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9 6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
1938	35.5	70	6	2.31	1.1	10	9	6	13
1939	36.3	74	1	5.55	2.0	11	11	6	11
1940	31.9	65	−1	3.03	12.2	11	12	6	11
1941	29.4	53	−5	2.47	8.8	6	16	5	7
Period	30.6	80	−31	3.55	8.8	9	11	7	10

Climatological Data for February, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	67	32.3	−1.3	45	7	17	10	21	3.09	−0.27	1.57	14.3	7	13	6	9	w.	U. S. Weather Bureau
Barnegat City	Ocean	36	§20	30.4	...	48	7†	12	1	25	2.77	−1.01	2.00	6.8	5	13	6	9	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	46	30.1	−2.6	53	12	7	11	39	2.62	−0.71	1.12	11.0	6	14	7	7	nw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	49	28.2	0.0	45	25	7	5	35	2.27	−1.29	0.92	5.3	6	17	3	8	...	Miss C. S. Hixson.
Boonton	Morris	280	§50	26.8	−1.2	44	7†	7	10	35	1.99	−1.31	1.60	...	4	17	0	11	nw.	John Kline.
Bridgeton	Cumberland	30	57	31.8	−2.2	52	12	15	10	32	1.98	−1.24	0.82	13.0	5	17	4	7	nw.	Bennett K. Matlack
Burlington	Burlington	12	§54	32.4	−0.8	48	12†	14	10	31	1.63	−1.69	0.92	9.2	6	16	5	7	nw.	Public Service G. & E. Co.
Canoe Brook‡‡	Essex	180	10	27.4	−1.2	45	12	3	5†	40	2.41	−0.40	1.97	...	4	18	1	9	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	48	25.8	−1.2	44	11†	−5	6	45	2.17	−1.52	1.15	2.0	4	16	5	7	w.	Newark Water Dept
Chatham	Morris	185	36	...	...	...	...	...	...	...	2.25	−1.62	1.84	...	5	19	3	6	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	...	30.1	...	51	12	7	11	39	2.56	...	1.25	13.0	5	17	6	5	nw.	Alfred L. Stevenson.
Clayton	Gloucester	120	27	30.3	−1.3	52	12	11	10	33	1.98	−1.36	0.78	8.5	5	10	3	15	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	39	...	...	...	...	...	...	...	1.94	−1.02	0.85	2.6	5	...	...	...	...	L. S. Depue.
Dover	Morris	600	56	27.5	+0.3	44	12	8	6	33	2.78	−0.99	1.75	7.0	4	11	11	6	...	William C. Harris
Egg Harbor City	Atlantic	63	18	...	...	...	...	...	...	...	3.08	−1.12	1.45	16.2	7	21	3	4	...	Chas. E. Hall.
Elizabeth	Union	34	61	31.0	−0.2	50	7	12	1	31	2.87	−0.99	2.11	5.6	5	20	0	8	nw.	Union County Park Comm
Flemington	Hunterdon	140	§54	29.8	−0.5	47	12†	11	6	34	1.94	−1.38	0.63	5.0	7	18	4	6	nw.	Hiram E. Deats
Freehold	Monmouth	194	§36	29.2	...	46	7	9	5	28	3.05	−0.89	1.73	8.5	6	19	3	6	nw.	Moreau Plant Co.
Hammonton	Atlantic	95	§34	31.4	...	53	12	13	10	34	2.94	−0.30	1.42	15.5	6	15	7	6	nw.	J. G. Wilson.
Hightstown	Mercer	110	47	29.3	−1.7	46	12	10	5	34	2.19	−1.20	0.77	8.7	6	14	7	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	51	30.0	−2.7	51	12	8	10	36	2.67	−1.00	1.20	15.3	6	12	9	7	w.	Edward Entwistle.
Jersey City	Hudson	81	42	32.8	+1.1	52	8	13	10	28	3.12	−0.81	2.41	3.5	6	14	7	7	nw.	Jersey Journal.
Lakewood	Ocean	54	36	30.4	−1.1	49	7†	10	11	36	2.84	−1.05	1.73	11.5	5	12	7	9	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Wm. J. Lauderdale.
Layton (near)‡‡	Sussex	480	39	25.2	−0.1	45	12	−5	6	44	0.63	−2.36	0.31	3.3	7	8	4	16	n.	A. M. Depue.
Little Falls	Passaic	157	37	29.3	−1.0	45	7†	9	6	34	2.65	−1.15	2.10	1.5	5	19	4	5	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	32	29.8	−2.4	47	7	13	5	26	3.74	−0.39	2.29	12.2	5	13	7	8	nw.	Storm Warn. Display Sta
Long Valley	Morris	660	10	26.6	...	45	12	5	6	37	2.05	...	1.40	11.0	3	19	4	5	nw.	Arthur Barkman.
Millville	Cumberland	...	...	...	...	...	...	...	...	...	1.93	...	0.80	...	6	17	2	9	...	Paul Ritchie.
Moorestown	Burlington	62	77	29.8	−2.0	52	12	14	11†	30	1.50	−1.75	0.80	4.4	7	15	4	9	n.	Japanese Beetle Laboratory
Newark	Essex	10	41	30.6	+1.0	50	7	11	10	26	2.82	−0.63	2.15	6.2	5	9	9	10	nw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	87	29.8	−1.3	46	6	12	10	31	2.26	−1.11	0.94	6.9	6	16	5	7	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	22	...	...	...	...	...	...	...	2.72	−0.35	2.22	...	5	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	57	26.1	−1.1	45	12	5	10	34	1.98	−3.15	0.90	7.5	6	15	4	9	nw.	Irving J. Kern.
N. Merchantville	Camden	63	6	31.3	...	51	12	15	10	26	2.45	...	1.24	11.0	6	13	7	8	nw.	A. Reuleaux Heintze.
Orange	Essex	140	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	69	29.0	−1.7	47	7	11	10	32	2.50	−1.48	1.79	5.2	5	16	6	6	nw.	J. W. Cook.
Pemberton	Burlington	55	10	31.2	−2.4	52	12	14	10†	33	2.62	−0.19	0.96	12.0	7	17	2	9	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§57	27.1	−1.8	40	12†	11	5	27	2.34	−0.97	1.02	9.6	5	15	8	5	...	Town Engineer.
Plainfield	Union	120	52	30.6	+0.9	46	6†	14	10	30	3.14	−0.61	1.80	12.8	5	12	8	8	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§42	30.2	−3.4	48	6†	5	11	39	2.46	−0.44	1.24	...	7	18	4	6	nw.	N. J. Water Policy Comm.
Rahway	Union	20	...	...	...	...	...	...	...	...	2.41	...	1.75	3.0	5	21	2	5	...	Norman C. Wittwer.
Ridgefield	Bergen	80	23	29.8	0.0	49	7	12	10	27	2.86	−0.04	2.39	3.5	6	14	8	6	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	17	27.6	−3.2	47	7	1	5	41	2.75	−0.52	1.60	...	6	19	5	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Weather Bureau.
Somerville (near)	Somerset	385	57	28.9	−1.0	46	12†	6	11	37	3.45	0.00	...	7.2	6	18	4	6	n.	Richard H. Rogers.
Sussex	Sussex	450	45	26.6	−0.3	40	2†	−1	6	40	2.41	−0.52	0.89	1.3	5	17	5	6	nw.	Marshall Hunt.
Toms River	Ocean	33	19	...	...	...	...	...	...	...	2.84	−1.26	1.88	7.7	4	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	68	30.4	−0.3	48	12	14	10	23	2.16	−1.11	1.17	7.2	5	12	6	10	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	10	30.0	...	48	12	12	10	30	2.73	...	1.26	13.6	5	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	47	32.2	−1.1	49	13†	12	10	30	1.93	−1.56	0.92	8.1	6	20	1	7	nw.	John H. Brown
Vineland	Cumberland	109	60	...	...	...	...	...	...	...	1.92	−1.36	0.72	5.4	7	...	...	...	...	Edward H. Ladd.
Westfield	Union	145	...	...	...	...	...	...	...	...	2.31	...	1.94	...	4	21	2	5	n.	Town Engineer.
Woodbury	Gloucester	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	22	...	...	...	...	...	...	...	2.66	−0.48	2.22	...	5	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Charles Bishop.
New York, N. Y.	...	10	70	31.4	+0.1	52	7	14	10	24	3.31	−0.51	2.74	5.3	5	13	8	7	nw.	U. S. Weather Bureau
Philadelphia, Pa	...	26	69	31.8	−2.1	50	12	16	28	19	2.08	−1.24	0.95	8.9	6	14	4	10	nw.	U. S. Weather Bureau.
For the State	...	...	...	29.4	−1.2	53	12	−5	6	45	2.47	−1.08	2.41	8.8	6	16	5	7	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-4-15-41-925

Daily Precipitation for February, 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast							1.57							.14	.09		.15				T.	.01	.01				T.	1.12				3.09
Barnegat City[4]	Coast							2.00							.13	.02		.12					T.						.50				2.77
Belleplain	Tuckahoe							1.12	.10						.15	.15		.10						T.					1.00				2.62
Belvidere	Delaware							.92	.30						.06	.32		.12											.55				2.27
Boonton[3]	Passaic							T.	1.60						.16	.13			.10														1.99
Bridgeton	Delaware							.82							.15	.19		.14											.68				1.98
Burlington	...do							.52	.11						.04	.03		.01					T.	T.					.92				1.63
Canoe Brook[3]	Passaic								1.97						.16	.14			.14														2.41
Cape May[4]	Coast																																
Charlotteburg	Passaic							.75	1.15						.16			.11	T.										T.				2.17
Chatham[3]	..do							.02	1.81						.15	.13			.11														2 25
Chatsworth	Delaware							1.06	.11									.10						.04					1.25				2.56
Clayton	Delaware							.78							.10	.24		.16						T.					.70				1.98
Culvers Lake	...do							.85	.50						T.	.37		.10											.12				1.94
Dover	Passaic							1.75	T.						.33			.20				T.							.50				2.78
Egg Harbor City[2]	Mullica							1.21							.22	.06		.09					.03	.02					1.45				3.08
Elizabeth	Coast		T.					2.11							.32	.05		.24				T.	T.						.15				2.87
Flemington	Raritan							.63	.55						.09	.22		.09				.02							.34				1.94
Freehold	..do							1.73	.03						.05	.11		.13											1.00				3.05
Hammonton	Mullica			T.				1.04	T.						.17	.16		.11				T.	T.	.04					1.42				2.94
Hightstown	Raritan		T.	T.				.77	.47						.03	.12		.07				T.	T.	T.					.73				2.19
Indian Mills	Mullica		T.	T.				.95	T						.08	.19		.09				T.		.16					1.20				2.67
Jersey City	Coast		T.		T.			2.41	.27						.02	.08		.11	T				T.	T.					.20				3.12
Lakewood	Metedeconk							1.73	.06						T.	.15		.15					T.						.75				2.84
Lambertville(nr).	Delaware																																
Layton(near)	...do							.31	.06						.06	.09		*	.07										.04				0.63
Little Falls[3]	Passaic							.13	2.10						.14	.17			.11				T.										2.65
Long Branch[2]‡	Coast		T.	T.	T.			2.29	T.						.11	.04		.16											1.14				3.74
Long Valley[3]	Raritan								1.40	T.						.35			.30			T.			T.								2.05
Millville[2]‡	Maurice							.80						.03	.29	.04		.06						T.					.71				1.93
Moorestown[3]	Delaware							.15	.80						.03	.26		T.	.12					.01					.13				1.50
Newark[2]	Coast		T.		T.			2.15						T.	.15	.06		.16	T.			T	T.						.30				2.82
New Brunswick	Raritan		T.					.94	.58						.06	.11		.15	T.			T.	T.						.42				2.26
New Milford[2]‡	Hackensack							2.22							.12	.07		.10											.21				2.72
Newton	Delaware							.90	.32						.18	.22		.18	T.										.18				1.98
N. Merchantville[2]‡	Delaware			T.				.82						T.	.18	.04		.12				T.	.05						1.24				2.45
Orange[2]‡	Rahway																																
Paterson[3]	Passaic							1.79							.23	.01		.09	T.										.38				2.50
Pemberton	Delaware							.96	.14						.02	.18		.29				T.	T.	.07					.96				2.62
Phillipsburg	...do		T.					.88						T.	.14	.10		.20				T.	T.	T.					1.02				2.34
Plainfield	Raritan		T.					1.80						T.	.17	.11		.16	T.			T.	T.						.90				3.14
Pleasantville[3]	Coast							.15	1.24						T.	.17		.13	.12					.05					.60				2.46
Rahway[3]‡	Rahway							.10	1.75						.10	.15			.31														2.41
Ridgefield[2]	Hackensack							2.39	.02						.04	.05		.18											.18				2.86
Runyon	Coast							1.60	.22						.25	.12		.15											.41				2.75
Sandy Hook[1]‡	Coast																																
Somerville(near)	Raritan							*	2.15						*	.55		.35											.40				3.45
Sussex	Hudson							.84	.89						.18	.33		.20	T.										T.				2.44
Toms River	Coast							1.88								.22		.10											.64				2.84
Trenton[1]‡	Delaware		T.	T.				1.17	T.						.14	.05		.15				T.	T.	T.					.65				2.16
Trenton No. 2[2]	Delaware		T.					1.26	T.						.15	.04		.11				T.	T.	T.					1.17				2.73
Tuckerton	Coast							.92	.09							.07		.04						.01					.80				1.93
Vineland[3]	Maurice							.13	.72						.13	.30		T.	13					.01					.50				1.92
Westfield[3]‡	Rahway								1.94						.12	.12			.13														2.31
Woodbury	Delaware																																
Woodcliff Lake[2]‡	Hackensack							2.22							.13	.06		.08											.17				2.66
Woodstown	Delaware																																
New York, N. Y[1]‡	Coast		T.		T.			2.74						T.	.07	.06		.14	T.				T.	T.					.30				3.31
Phila., Pa[1]‡	Delaware			T.				.77						T.	.23	.02		.14				T.	.03						.89				2.08

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	
	Wind movement	
Pleasantville[3]	Evaporation	
	Wind movement	
Runyon	Evaporation	
	Wind movement	

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for February, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	39	43	34	37	41	44	45	38	38	32	39	42	43	42	44	37	37	33	31	33	38	39	39	41	41	39	35	33	....	....	....	38.5
	Minimum	21	34	25	24	20	29	38	27	25	17	24	28	33	39	32	28	28	22	19	20	23	29	26	24	28	25	24	19	....	....	....	26.1
Barnegat City‡	Maximum	36	39	40	39	38	41	48	38	41	38	40	43	47	48	47	35	35	30	29	32	39	39	46	44	40	38	39	42	....	....	....	39.7
	Minimum	12	31	24	19	17	19	33	19	18	16	20	23	28	36	28	16	22	18	14	13	21	24	25	21	18	21	18	17	...	....	....	21.1
Belleplain	Maximum	35	43	40	32	39	45	47	44	34	35	45	43	49	46	44	39	39	38	29	33	36	35	37	38	45	45	38	33	....	....	....	39.9
	Minimum	15	21	23	20	13	9	35	22	21	11	7	14	20	40	36	26	18	21	16	17	19	27	24	19	19	21	18	17	....	....	....	20.3
Belvidere	Maximum	35	35	37	32	36	43	41	40	37	34	41	44	38	39	40	34	30	30	28	29	34	40	36	37	45	36	40	33	....	.. ..	....	36.6
	Minimum	10	26	19	19	7	8	32	22	20	10	10	18	23	35	25	22	19	22	15	18	21	29	29	21	21	20	17	17	....	....	....	19.8
Boonton§§	Maximum	35	40	34	30	38	41	44	32	35	32	40	44	32	41	39	30	30	29	29	32	32	37	37	35	41	33	39	25	....	....	....	35.2
	Minimum	19	19	22	20	12	8	9	24	21	7	8	11	22	30	34	23	16	17	15	16	21	21	29	22	19	21	15	16	...	....	....	18.5
Bridgeton	Maximum	36	40	40	33	39	47	44	41	36	39	46	52	51	48	46	37	38	33	31	32	36	38	39	40	50	37	40	35	...	....	....	40.1
	Minimum	20	25	25	22	20	18	36	24	23	15	16	20	27	41	35	28	23	22	18	19	21	28	26	21	24	23	23	16	....	....	....	23.5
Burlington	Maximum	36	40	40	33	37	47	43	42	38	36	44	48	48	41	41	38	34	43	39	40	37	39	46	44	47	45	41	39	....	....	....	40.9
	Minimum	31	37	23	21	17	16	35	26	24	14	16	22	27	36	36	27	24	22	22	19	19	29	25	20	23	22	20	18	....	...	....	24.0
Canoe Brook§§	Maximum	35	35	34	34	38	43	43	34	36	30	41	45	38	40	37	33	28	37	29	34	35	37	39	36	47	35	42	38	. ..	....	....	36.9
	Minimum	18	16	21	19	3	3	11	24	21	8	8	14	19	31	34	23	15	22	13	16	20	26	27	22	18	18	12	20	....	....	....	17.9
Cape May‡	Maximum	...	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	33	39	39	29	38	40	42	43	34	32	44	44	44	38	40	34	27	29	27	30	33	34	36	32	41	42	38	36	....	....	....	36.4
	Minimum	11	16	19	11	13	−5	26	20	17	4	−1	10	15	31	31	18	11	19	11	10	18	18	24	18	16	16	13	14	....	....	....	15 1
Chatsworth	Maximum	35	40	40	32	36	45	45	42	35	34	46	51	46	43	43	37	36	34	28	31	37	38	38	38	49	46	40	32	....	....	....	39.2
	Minimum	17	20	23	21	15	10	36	23	20	10	7	17	22	38	35	26	18	22	16	18	21	30	27	21	19	21	18	17	....	....	....	21.0
Clayton	Maximum	35	40	38	32	36	46	44	42	36	38	44	52	50	46	44	38	36	36	28	31	36	37	37	38	47	45	38	37	....	....	....	39.5
	Minimum	17	21	22	20	16	14	34	22	21	11	13	19	26	38	35	25	19	19	14	17	20	27	23	20	21	21	20	16	....	....	....	21.1
Dover	Maximum	34	39	35	30	38	40	41	....	35	32	42	44	35	39	39	29	27	29	28	32	34	38	37	37	41	35	38	....	....	....	....	35.7b
	Minimum	17	26	20	18	15	8	30	22	19	9	9	18	21	32	26	20	17	18	13	17	20	29	26	20	19	18	14	..	....	....	....	19.5a
Elizabeth	Maximum	37	37	38	37	39	44	50	49	40	33	44	48	39	43	45	36	31	32	30	36	41	38	43	41	45	42	45	39	..	....	....	40.1
	Minimum	12	22	24	21	13	13	34	25	22	13	13	23	25	34	35	24	23	23	16	18	21	31	29	23	21	23	17	18	....	....	....	22.0
Flemington	Maximum	35	39	40	32	40	45	41	41	35	36	45	47	39	38	38	36	30	30	27	34	35	41	39	39	47	44	44	37	....	....	....	38.4
	Minimum	15	24	20	19	12	11	30	23	22	12	13	22	25	34	34	24	20	23	16	18	21	31	29	22	21	20	17	17	....	....	....	21.2
Freehold	Maximum	33	38	36	32	34	44	46	44	37	32	43	44	42	38	40	39	32	35	26	32	36	38	39	37	45	37	40	33	....	....	....	37.6
	Minimum	15	20	21	18	9	16	34	23	21	12	18	22	26	34	34	23	20	21	14	16	20	30	27	20	20	19	16	16	....	....	....	20.9
Hammonton	Maximum	38	40	40	35	39	49	45	41	38	37	48	53	49	48	43	38	37	35	29	32	38	39	38	39	49	47	39	37	....	....	....	40.7
	Minimum	18	25	22	21	21	18	33	23	22	13	14	20	24	40	35	21	21	21	15	18	20	29	24	21	21	21	20	18	.. .	....	....	22.1
Hightstown	Maximum	32	37	37	32	32	45	43	42	36	34	42	46	43	40	40	35	32	30	28	32	37	40	40	38	44	38	40	36	....	....	....	37.5
	Minimum	13	22	22	19	10	11	36	24	22	11	14	21	25	34	34	24	21	21	16	17	21	30	28	21	21	20	17	16	....	....	....	21.1
Indian Mills(near)	Maximum	36	40	37	32	37	46	44	41	37	36	46	51	48	44	41	35	34	33	28	31	37	37	37	38	47	38	40	33	....	....	....	38.7
	Minimum	17	24	22	21	14	12	35	23	22	8	10	16	22	39	35	26	18	22	16	18	21	30	27	21	19	21	18	17	....	....	....	21.2
Jersey City	Maximum	37	37	38	36	40	43	50	52	40	38	44	47	45	41	43	41	35	31	30	37	34	36	40	39	44	44	42	40	....	....	....	40.1
	Minimum	22	31	23	23	19	24	43	24	22	13	24	29	32	36	40	24	23	24	17	20	24	33	29	25	25	23	20	18	....	....	....	25.4
Lakewood	Maximum	35	39	37	35	36	45	49	49	39	32	46	46	43	40	44	37	33	32	30	34	40	39	43	40	48	40	42	33	....	....	....	39.5
	Minimum	15	21	23	20	13	12	35	25	23	13	10	18	23	37	36	25	18	23	16	18	21	29	28	20	21	21	18	18	....	....	....	21.4
Lambertville (near)	Maximum	...	.	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	..	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Layton(near)	Maximum	32	40	38	29	39	39	37	40	32	31	41	45	35	38	38	30	26	28	25	31	32	35	35	32	41	38	37	31	....	....	....	34.8
	Minimum	17	17	20	17	15	−5	30	20	17	−1	−2	7	12	32	29	20	8	18	11	17	21	28	25	18	9	15	8	15	....	....	....	15.6
Little Falls§§	Maximum	37	40	35	33	41	43	45	40	44	32	43	45	37	41	41	31	31	31	29	34	43	44	39	36	43	35	42	34	....	....	....	38.2
	Minimum	19	21	22	20	10	9	17	24	21	10	11	19	23	31	36	23	18	23	16	19	22	30	29	22	21	21	16	19	....	....	....	20.4
Long Branch*	Maximum	35	35	34	33	35	42	47	37	37	28	42	41	40	40	41	31	32	29	28	32	37	37	40	38	43	36	39	31	....	....	....	36.5
	Minimum	17	28	24	19	13	16	37	25	22	17	18	26	29	37	30	25	22	21	17	18	21	31	29	22	23	22	20	18	....	....	....	23.1
Long Valley§§	Maximum	35	38	34	33	36	42	41	32	36	31	41	45	35	39	39	33	30	29	29	33	34	38	37	41	45	33	39	26	....	....	...	35.9
	Minimum	15	15	20	18	14	5	10	22	19	9	8	8	21	32	33	22	18	16	13	12	17	20	26	19	18	20	15	16	....	....	....	17 2
Moorestown	Maximum	34	40	33	30	35	46	42	36	36	37	43	52	49	42	42	34	34	27	28	31	37	38	38	38	46	37	38	30	....	....	....	37.6
	Minimum	14	24	18	21	18	15	31	22	23	14	16	22	27	35	31	25	24	20	18	19	22	27	28	21	24	22	19	19	....	....	....	22.1
Newark*	Maximum	35	38	34	32	38	42	50	37	38	31	44	46	39	41	42	33	29	31	29	34	36	38	39	37	44	35	43	29	....	....	....	37.6
	Minimum	21	28	26	23	17	19	37	25	20	11	18	27	30	34	30	24	22	21	17	18	23	32	28	24	24	22	19	18	....	....	....	23.5
New Brunswick	Maximum	33	38	36	32	34	46	43	44	37	33	44	44	39	38	41	35	29	32	27	33	35	38	39	39	45	42	39	36	....	....	....	37.5
	Minimum	18	23	23	21	14	15	35	24	23	12	13	23	25	34	35	26	20	22	15	18	21	30	29	21	21	20	17	17	....	....	....	22.0
Newton	Maximum	36	39	33	28	40	41	42	39	33	30	41	45	36	37	39	40	33	28	26	30	32	31	35	33	40	35	38	26	....	....	....	35.2
	Minimum	14	16	17	15	13	7	30	17	15	5	8	15	21	30	29	24	13	17	10	14	17	26	24	16	15	26	10	13	....	....	....	17.0
N. Merchantville*	Maximum	35	40	34	31	38	47	43	38	37	37	45	51	50	41	42	35	34	30	29	32	37	38	39	40	48	37	38	32	....	....	....	38.5
	Minimum	20	28	25	23	21	21	35	25	21	15	19	25	29	37	32	27	27	19	18	19	23	28	28	23	26	23	21	16	....	....	....	24.1
Paterson§§	Maximum	37	39	37	33	43	42	47	36	37	32	45	45	38	42	41	32	31	32	30	34	37	38	40	38	44	36	42	29	....	....	....	37.8
	Minimum	20	21	23	20	15	13	15	24	21	11	12	16	23	31	35	23	20	21	15	17	21	24	28	22	22	21	17	18	....	....	....	20.3
Pemberton	Maximum	36	39	38	35	36	48	43	41	37	38	45	52	48	43	47	42	35	33	28	32	37	39	40	40	16	40	39	36	....	....	...	39.8
	Minimum	17	23	22	20	15	15	36	25	23	14	14	19	26	38	34	25	22	22	17	19	22	30	27	22	23	22	20	18	....	....	....	22.5
Phillipsburg	Maximum	30	35	31	27	30	39	38	36	33	27	35	40	36	39	39	30	28	29	25	28	32	35	33	35	40	34	35	30	.. .	....	....	33.2
	Minimum	16	26	23	20	11	12	29	23	19	12	15	21	25	35	31	22	21	18	15	18	21	30	28	21	23	20	18	16	. ..	....	....	21 0
Plainfield	Maximum	37	38	35	34	37	46	45	42	39	33	44	46	37	38	42	35	31	31	29	35	35	40	39	39	45	35	44	34	....	.. .	....	38.0
	Minimum	19	25	25	22	17	16	34	25	24	14	16	24	28	34	33	24	22	22	17	19	22	32	29	24	24	22	18	17	....	....	....	23.1
Pleasantville§§	Maximum	40	45	35	37	43	48	47	40	39	32	41	48	48	44	44	38	38	33	33	33	40	40	40	42	46	40	21	28	....	....	....	40.0
	Minimum	18	21	23	22	14	9	32	22	20	12	5	12	18	39	38	26	19	21	15	16	20	29	24	21	17	21	19	38	....	....	....	20.5
Ridgefield*	Maximum	36	38	35	32	38	42	49	39	37	31	45	43	38	40	41	32	28	31	30	35	37	39	40	37	45	35	41	28	....	...	....	37.2
	Minimum	18	25	24	22	15	16	38	25	22	12	18	24	29	34	28	24	20	19	16	18	22	31	29	22	22	21	17	18	....	....	....	22.5
Runyon	Maximum	37	38	40	34	34	45	47	36	36	35	43	41	44	42	41	43	35	29	27	34	33	34	34	40	42	42	44	40	....	....	....	38.2
	Minimum	15	18	16	19	1	4	28	22	16	6	4	13	16	32	35	16	14	18	15	17	20	20	26	18	16	15	16	20	....	....	....	17.0
Sandy Hook*	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	...	....	....	....	....	....	....	....	....	....	..	....	....	...	...	....	..	....	....	...	....	....	....	....	....	....	....	....	....
Somerville(near)	Maximum	36	37	37	33	39	43	42	44	38	33	43	46	39	39	41	35	29	31	29	35	37	42	39	38	46	39	43	38	....	....	....	38.2
	Minimum	16	22	21	18	11	11	34	21	20	7	6	23	24	33	34	21	23	20	13	11	19	30	27	20	20	16	13	16	....	....	....	19.6
Sussex	Maximum	36	40	37	32	38	39	40	40	34	29	40	40	37	38	39	33	27	30	27	31	34	37	35	33	40	36	37	33	....	....	....	35.4
	Minimum	18	18	20	18	1	−1	29	22	18	6	8	14	17	33	32	20	14	21	11	19	22	29	26	20	16	18	13	17	....	....	.. .	17.8
Trenton*	Maximum	32	39	33	30	34	45	44	36	35	34	44	48	44	40	41	32	33	29	28	31	35	37	37	38	46	36	39	33	....	....	....	36.9
	Minimum	18	28	24	22	18	22	36	24	19	14	21	28	30	36	31	26	25	20	18	20	23	29	28	24	26	23	20	17	....	....	....	23.9
Trenton No. 2*	Maximum	34	38	36	32	34	46	43	36	35	33	44	48	46	40	41	34	31	31	28	32	36	39	38	39	46	37	40	33	....	....	....	37.5
	Minimum	17	27	22	19	16	16	36	24	23	12	18	23	26	35	30	25	22	18	16	19	22	32	29	22	23	22	19	16	....	....	....	22 5
Tuckerton	Maximum	40	42	40	38	41	45	45	47	40	38	40	48	49	49	48	40	39	35	31	35	40	40	42	42	45	43	40	38	....	....	....	41.4
	Minimum	18	26	25	24	16	15	34	25	22	12	16	20	26	39	38	27	24	22	16	18	22	30	25	22	23	20	22	21	....	....	.. .	23.1
New York, N. Y.*	Maximum	37	39	34	34	40	42	52	39	38	34	45	47	42	44	42	33	34	32	30	34	36	40	38	37	45	35	41	30	....	....	....	38 4
	Minimum	21	30	25	22	19	25	39	25	18	14	21	33	31	36	29	25	24	20	17	18	23	31	28	24	24	22	20	17	....	....	....	24.3
Philadelphia, Pa.*	Maximum	36	41	34	33	37	46	44	36	37	35	43	50	48	40	42	34	36	31	28	31	35	37	38	40	47	38	37	35	....	....	. ..	38.2
	Minimum	21	29	26	24	22	27	36	25	22	17	24	31	32	37	33	27	27	20	18	20	23	28	28	23	28	24	24	16	....	....	....	25.4

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day on which it almost always occurs * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. MARCH, 1941. No. 3.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

March, 1941, averaged the coldest of any March since 1916. It was consistently cold during the month with very few days that were not colder than normal for the season. The 18th was the coldest day at most stations, but no unusually low readings were reached, the lowest being 3°, while sub-zero readings have been recorded in March many times in past years. This was one of the three Marches on record during which the official temperature did not exceed 63° somewhere in the State. All months this year have been colder than normal.

Precipitation averaged about three-fourths of the normal for March. The month began with a heavy snow-cover, most of which fell on February 28th, but ended on March 1st. Another heavy snowfall occurred on March 7-8th, with amounts ranging from about four inches in the south to more than a foot in the north. More snow fell during February and March this year than during the same period since 1934. The snow-cover was beneficial to winter grains and grasses. The ground remained cold and wet so that no farm work of consequence was accomplished during the month.

Sunshine was about normal. Winds of gale force were registered in the coastal areas on the 1st, 7th, 8th, and 18th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 34.5°, which was 4.7° bleow normal. The highest temperature was 63° at Bridgeton on the 31st, and the lowest, 3°, at Charlotteburg on the 18th. The greatest daily range of temperature was 48° at Pleasantville on on the 31st. The highest monthly mean temperature was 37.2° at Tuckerton, and the lowest, 29.9° at Layton.

The temperature departure from the normal for the year, 1940, to date, for the State is −2.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 50 stations, was 2.78 inches, which was 0.99 inch below normal. The average total snowfall at 23 selected stations was 14.6 inches, which was 10.1 inches above normal. The greatest monthly precipitation was 5.95 inches at Toms River, and the least, 1.44 inches at Culvers Lake The greatest amount of precipitation in any 24 consecutive hours was 2.31 inches at Canoe Brook on the 8th. The average for the Highlands was 2.45 inches. for the Red Sandstone Plain 2.70 inches, and for the Southern Interior 2.95 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −2.57 inches; Red Sandstone Plain, −2.65 inches; Southern Interior, −1.77 inches.

DATES OF MISCELLANEOUS PHENOMENA.

SLEET: 8, 9, 11, 12.
DENSE FOG: 7, 12, 24, 25.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	29.96	30.45	7	29.35	8	17.9	54	ne.	8	66	51	59	57
Long Branch	29.93	30.47	7	29.30	8	16.3	57	nw.	18	62	50	52	67
Ridgefield	29.92	30.45	7	29.38	8	.	....	.	....	....	...	....	....
Sandy Hook	....	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	29.96	30.48	7	29.37	9	10.8	30	w.	18	66	48	54	63

COMPARATIVE DATA FOR MARCH.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.4	66	2	1.10	....	.....	.....	.....	.....
1886	37.7	70	9	3.70	....	.....	.....	.....	.....
1887	37.7	61	8	3.34	....	10	.....	.....	.....
1888	32.8	72	0	5.71	....	11	.....	.....	.....
1889	40.5	67	19	3.79	....	8	.....	.....	.....
1890	37.6	78	0	6.08	....	14	.....	.....	.....
1891	37.2	68	4	5.06	....	12	8	10	13
1892	34.4	64	6	4.75	....	9	10	12	9
1893	37.0	68	6	3.73	....	10	10	10	11
1894	44.2	83	12	1.77	....	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	−15	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	7.61	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	20.5	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	49.1	92	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
1938	43.2	85	−1	2.15	1.6	11	12	7	12
1939	40.1	83	2	4.83	2.0	13	12	7	12
1940	34.7	72	8	5.14	3.3	12	10	9	12
1941	34.5	63	3	2.78	14.6	8	16	6	9
Period	39.2	92	−15	3.77	4.5	12	13	8	10

Climatological Data for March, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	36.8	−1.8	54	22	17	18	32	2.86	−0.74	2.18	5.7	6	15	6	10	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	35.0	......	59	31	14	18	35	2.61	−1.88	1.27	3.0	7	14	5	12	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	35.0^{a}	−6.4	59	31	13	6	37	3.18	−0.58	1.30	9.0	7	19	6	6	w.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	33.5	−5.0	58	31	12	14	34	2.19	−1.50	1.25	14.5	4	22	6	3	......	Miss C. S. Hixson.
Boonton	Morris	280	§51	32.3	−3.6	55	31	12	18†	30	1.68	−1.96	0.68	0	5	20	1	10	nw.	John Kline.
Bridgeton	Cumberland	30	58	37.0	−5.4	63	31	15	18	38	2.06	−1.78	1.28	5.8	6	19	5	7	nw.	Bennett K. Matlack
Burlington	Burlington	12	§55	36.6	−5.7	59	31	15	1	37	3.84	+0.13	1.85	6.0	9	19	6	6	nw.	Public Service G. & E. Co.
Canoe Brook...‡‡	Essex	180	11	31.8	−5.2	53	27	5	14	39	4.80	+0.46	2.31	......	10	18	3	10	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	49	30.4	−5.9	53	23†	3	18	38	2.51	−1.48	1.55	25.0	7	16	6	9	e.	Newark Water Dept
Chatham	Morris	185	37	......	......	......	......	......	......	....	3.06	−0.98	1.09	18.0	10	15	11	5	......	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	......	......	60	31	......	......	....	2.43	......	......	8.5	6	14	11	6	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	35.6	−6.2	59	31	13	1†	35	2.17	−1.35	1.14	9.6	6	13	2	16	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	......	......	......	......	......	......	....	1.44	−1.88	0.96	12.0	5	....	....	....	......	L. S. Depue.
Dover	Morris	600	57	......	......	......	......	......	......	....	3.28	−0.74	1.45	17.5	7	12	10	9	......	William C. Harris
Egg Harbor City	Atlantic	63	19	......	......	......	......	......	......	....	2.11	−2.29	0.80	3.0	7	21	3	7	......	Chas. E. Hall.
Elizabeth	Union	34	62	35.8	−3.6	61	31	11	5	40	3.34	−0.62	1.10	24.0	8	17	7	7	nw.	Union County Park Comm
Flemington	Hunterdon	140	§55	35.2	−5.4	57	27	14	18	33	2.32	−1.34	1.17	15.0	11	22	2	7	nw.	Hiram E. Deats
Freehold	Monmouth	194	§37	34.2	......	58	31	12	18	35	4.14	......	1.34	15.2	9	20	6	5	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	36.6	......	61	31	15	1†	37	2.54	−1.38	1.37	8.5	7	18	5	8	w.	J. G. Wilson.
Hightstown	Mercer	110	48	34.1	−6.5	57	31	14	18	33	2.60	−1.18	1.34	14.1	9	16	5	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	35.2	−5.9	60	31	15	18	40	2.52	−1.56	1.53	7.8	9	14	10	7	nw.	Edward Entwistle.
Jersey City	Hudson	81	43	36.8	−3.1	58	31	14	18	28	2.87	−1.15	1.59	17.2	11	15	7	9	nw.	Jersey Journal.
Lakewood	Ocean	54	37	35.5	−4.8	60	31	15	18	43	2.82	−1.35	1.37	15.0	7	13	3	15	nw.	R. W. Holman.
Lambertville (near)	Hunterdon	430	54	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Wm. J. Lauderdale.
Layton (near)‡‡	Sussex	480	40	29.9	−5.9	57	31	4	14	41	1.60	−1.69	0.68	15.5	7	13	3	15	nw.	A. M. Depue.
Little Falls	Passaic	157	38	34.2	−4.7	58	31	12	18	32	2.94	−0.83	1.43	21.4	11	17	3	11	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	35.2	−4.1	59	3	15	18	33	2.94	−1.23	1.42	9.5	10	13	6	12	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	30.6	......	53	23	10	19	31	3.00	......	1.50	17.0	6	20	6	5	nw.	Arthur Barkman.
Millville	Cumberland	......	....	......	......	......	......	......	......	....	1.99	......	1.01	......	6	19	2	10	......	Paul Ritchie.
Moorestown	Burlington	62	78	35.6	−4.3	59	31	16	18	33	3.29	−0.39	1.58	14.0	7	14	8	9	nw.	Japanese Beetle Laboratory
Newark	Essex	10	42	35.4	−4.0	58	31	15	18	33	2.59	−1.16	1.31	14.5	11	8	10	13	nw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	34.4	−4.8	57	31	14	18	34	2.86	−0.70	1.34	20.5	10	15	5	11	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	......	......	......	......	......	......	....	2.25	−1.42	1.32	......	10	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	58	30.4	−5.6	56	31	8	18	35	1.54	−1.85	0.90	17.5	9	15	5	11	nw.	Irving J. Kern.
N. Merchantville	Camden	63	7	36.8	......	62	31	15	18	32	3.02	......	1.23	12.4	8	16	7	8	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	70	34.4	−2.7	58	23†	12	18†	33	1.86	−2.09	0.99	15.0	8	19	3	9	nw.	J. W. Cook.
Pemberton	Burlington	55	11	36.6	−4.9	60	29	15	18	36	2.50	−0.90	0.96	14.1	9	17	7	7	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	32.2	−6.3	54	31	13	18	32	2.56	−0.78	1.25	15.0	9	17	8	6	......	Town Engineer.
Plainfield	Union	120	53	35.0	−4.1	59	31	15	5†	35	2.21	−1.75	1.40	14.9	10	14	8	9	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§43	36.0	−4.4	63	31	14	18	48	2.41	−1.00	1.35	......	5	22	5	4	w.	N. J. Water Policy Comm
Rahway	Union	20	....	......	......	......	......	......	......	....	2.77	......	1.25	25.5	5	15	5	11	......	Norman C. Wittwer.
Ridgefield	Bergen	80	24	34.4	−4.1	58	31	13	18	33	2.80	−1.27	1.52	17.4	11	15	6	10	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	33.0	−6.4	54	16†	8	6	40	3.48	+0.03	1.68	......	9	18	8	5	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	U. S. Weather Bureau.
Somerville (near)	Somerset	385	58	33.6	−5.2	56	31	10	18	30	4.37	+0.70	2.11	27.4	6	16	8	7	nw.	Richard H. Rogers.
Sussex	Sussex	450	46	31.4	−5.4	57	31	5	14	38	2.77	−0.38	1.20	21.3	7	17	6	8	nw.	Marshall Hunt.
Toms River	Ocean	33	20	......	......	......	......	......	......	....	5.95	+1.55	1.90	17.6	8	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	69	35.5	−3.6	58	31	16	18	31	2.26	−1.14	1.32	9.4	10	11	9	11	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	35.3	......	59	31	15	18	33	2.85	......	1.37	9.4	11	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	48	37.2	−4.0	61	31	12	5†	35	2.21	−1.92	1.62	4.4	7	21	2	8	nw.	John H. Brown.
Vineland	Cumberland	109	61	......	......	......	......	......	......	....	3.10	−0.44	1.49	15.0	7	....	....	....	......	Edward H. Ladd.
Westfield	Union	145	1	......	......	......	......	......	......	....	3.09	......	1.30	25.5	5	19	5	7	n.	Town Engineer.
Woodbury	Gloucester	50	1	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	23	......	......	......	......	......	......	....	2.13	−1.42	1.29	......	10	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	7	......	......	......	......	......	......	....	......	......	......	......	....	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	76	35.7	−2.0	58	27	14	18	34	2.52	−1.12	1.57	16.5	11	15	3	13	nw.	U. S. Weather Bureau
Philadelphia, Pa	......	26	70	37.4	−3.4	57	31	16	18	32	2.80	−0.59	1.60	11.3	10	14	6	11	nw.	U. S. Weather Bureau.
For the State	......	......	....	34.5	−4.7	63	31	3	18	48	2.78	−0.99	2.31	14.6	8	16	6	9	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record, **Departures** of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-5-14 41-925

Daily Precipitation for March, 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast	.11	....	T.	....	....	....	.67	1.55	T.	....	.16	T.	T.	....	....	....	T.	....	....	....	....	....	....	.36	.01	....	....	....	T.	....	....	2.86
Barnegat City[4]	Coast	.05	....	.01	....	....	....	.68	1.27	.02	....	.23	....	....	....	....	....	T.	....	....	....	....	....	....	.35	T.	....	....	....	T.	T.	....	2.61
Belleplain	Tuckahoe	.40	....	....	....	....	....	*	1.30	.70	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	.18	.40	....	....	....	....	....	....	3.18
Belvidere	Delaware	....	....	....	....	....	....	....	1.25	.41	....	.43	....	....	....	....	....	T.	....	....	....	....	....	....	.10	....	....	....	....	....	....	....	2.19
Boonton[3]	Passaic	.32	....	....	T.	....	....	....	.68	.33	T.	....	.27	T.	....	....	T.	T.	T	....	....	....	....	....	....	.08	....	....	....	....	....	....	1.68
Bridgeton	Delaware	.19	....	....	....	....	....	.09	1.28	....	....	.34	....	....	....	....	....	....	....	....	....	....	....	....	.11	.05	....	....	....	....	....	....	2.06
Burlington	....do	.23	....	....	....	....	....	T.	1.85	.05	....	.35	....	.40	....	....	.40	.38	....	....	....	....	....	....	.09	.09	....	....	....	....	....	....	3 84
Canoe Brook[3]	Passaic	1.20	....	....	.01	....	....	....	2.31	.35	.03	....	.58	.05	....	....	.02	....	....	....	....	....	....	....	....	.16	....	....	....	....	.09	....	4.80
Cape May[4]	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Passaic	.25	....	....	....	....	....	....	1.55	.20	....	.35	.07	....	....	....	....	.06	....	....	....	....	....	....	....	.03	....	....	....	....	....	....	2.51
Chatham[3]	...do	.71	....	T.	.04	T.	....	....	1.09	.39	.08	.	.49	05	....	....	....	.03	....	....	....	....	....	....	....	.16	....	....	....	....	.02	....	3.06
Chatsworth	Delaware	.52	....	....	....	....	....	*	1.36	....	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	*	.35	....	....	....	....	....	....	2.43
Clayton	Delaware	.28	....	....	....	....	....	....	1.14	.15	T.	.35	....	....	....	....	....	....	....	....	....	....	....	....	.15	.10	....	....	....	....	....	....	2.17
Culvers Lake	...do	T.	....	....	.02	....	....	....	.96	.25	....	.15	T.	....	....	....	....	.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.44
Dover	Passaic	.30	....	....	.02	....	....	....	1.30	....	....	*	1.45	....	....	....	....	.15	....	....	....	....	....	....	.06	....	....	....	....	....	....	....	3.28
Egg Harbor City[2]	Mullica	....	....	.02	....	....	....	.73	.80	....	....	.16	.01	....	....	....	....	....	....	....	....	....	....	....	.38	.01	....	....	....	....	....	....	2.11
Elizabeth	Coast	1.10	....	T.	T.	....	....	....	1.10	.18	....	.55	.03	.16	....	....	....	T.	T.	....	....	....	....	....	.10	.12	....	....	....	T.	T.	T	3.34
Flemington	Raritan	.17	....	.01	.03	....	....	....	1.17	.21	....	.53	....	.04	....	....	.02	.04	....	....	....	....	....	....	.04	.06	....	....	....	....	T.	....	2.32
Freehold	.do	.96	....	T.	....	....	....	....	1.34	.11	....	.47	T.	.03	....	....	.03	.02	....	....	....	....	....	....	.17	T.	....	....	....	....	.01	....	3.14
Hammonton	Mullica	.23	....	T.	T.	....	....	.09	1.37	.29	....	.27	T.	T.	....	....	.	T.	....	....	....	....	....	....	.07	.22	....	....	....	T.	....	....	2.54
Hightstown	Raritan	.53	....	T.	.01	....	....	T.	1.34	.15	....	.31	....	01	....	....	T.	.02	....	....	....	....	....	....	.10	.13	....	....	....	....	T.	....	2.60
Indian Mills	Mullica	.18	....	T.	T.	....	....	.08	1.53	.08	....	.30	T.	T.	....	....	.04	T.	....	....	....	....	....	....	.15	.15	....	....	....	.01	....	....	2.52
Jersey City	Coast	.39	....	T.	T.	....	....	....	1.59	.07	....	.50	.05	.04	....	....	.01	04	T.	T.	....	....	....	....	.06	.11	....	....	....	T.	.01	....	2.87
Lakewood	Metedeconk	.48	....	....	....	....	....	T.	1.37	.12	....	.30	T.	T.	....	....	.05	T.	....	....	....	....	....	....	.25	.25	....	....	....	....	T.	....	2.82
Lambertville(nr.)	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	....do	.03	....	....	....	....	....	....	.68	.38	....	.36	T.	.06	....	....	....	T.	T.	....	....	....	....	....	.04	.05	....	....	....	....	....	....	1.60
Little Falls[3]	Passaic	.41	....	....	T.	....	....	....	1.43	.23	T	....	.57	.08	....	....	.05	.02	.01	....	....	....	....	....	.01	.12	....	....	....	....	.01	....	2.96
Long Branch[2]‡	Coast	T.	....	T.	T.	....	....	.31	1.42	.08	....	.35	.09	....	....	....	.04	.02	....	....	....	....	....	....	.47	.03	....	....	....	T.	.13	....	2.94
Long Valley[3]	Raritan	.80	....	....	.40	....	....	.20	1.30	....	....	.10	....	....	....	....	.10	....	....	....	....	....	....	....	.10	T.	....	....	....	....	....	....	3.00
Millville[2]‡	Maurice	.06	....	....	....	....	....	.58	1.01	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	....	.22	.01	....	....	....	....	....	....	1.99
Moorestown[3]	Delaware	.75	....	T.	T.	....	....	....	1.58	.18	T.	....	.44	T.	....	....	.02	T.	....	....	....	....	....	....	.02	.30	T	....	....	....	T.	....	3.29
Newark[2]	Coast	.04	....	T.	T.	....	....	.30	1.31	.03	....	.46	.23	T.	....	....	.02	.03	T.	....	....	....	....	....	.15	.01	....	....	....	T.	.01	....	2.59
New Brunswick	Raritan	.65	....	T	T.	....	....	....	1.34	.11	.02	.42	T.	.03	....	....	....	.02	....	....	....	....	....	....	.08	.11	....	....	....	....	.08	....	2.86
New Milford[2]‡	Hackensack	.06	....	....	....	....	....	.12	1.32	.03	....	.42	.06	....	....	....	.07	.03	....	....	....	....	....	....	.12	.02	....	....	....	....	....	....	2.25
Newton	Delaware	T.	....	T.	.03	....	....	....	.90	.17	....	.31	.04	T.	....	....	....	.02	.02	....	....	....	....	....	.03	.02	....	....	....	....	....	....	1.54
N. Merchantville[2]‡	Delaware	.18	....	T.	T.	....	....	.71	1 23	.06	....	.47	.01	.02	....	....	T.	....	....	....	....	....	....	....	.34	T.	....	....	....	T.	....	....	3.02
Orange[2]‡	Rahway	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Paterson[3]	Passaic	T.	....	....	....	....	....	.13	.99	.01	....	.41	.06	....	....	....	.03	.01	T	....	....	....	....	....	.12	T	....	....	....	T.	T.	....	1.86
Pemberton	Delaware	.77	....	.01	.01	....	....	T.	.96	.08	....	.30	....	T.	....	....	.02	T.	....	....	....	....	....	....	.13	.22	....	....	....	T.	....	....	2.50
Phillipsburg	....do	.04	....	T.	.02	....	....	.24	1.25	.09	....	.65	T.	T.	....	....	T.	.08	....	....	....	....	....	....	.15	.04	....	....	....	....	....	....	2.56
Plainfield	Raritan	....	....	T.	.01	....	....	.08	1.40	.01	....	.46	.02	.05	....	....	.03	.03	T.	T.	....	....	....	....	.12	T.	....	....	....	T.	....	....	22.1
Pleasantville[3]	Coast	.20	....	T.	....	....	....	.26	1.35	.47	....	....	.13	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.41
Rahway[3]‡	Rahway	1.25	....	....	....	....	....	.75	T.	T.	....	..	.55	.08	....	....	....	T.	....	....	....	....	....	....	T.	.14	....	....	....	....	....	....	2.77
Ridgefield[2]	Hackensack	.22	....	T.	T.	....	....	....	1.52	.03	....	.20	.39	.05	....	....	.17	.01	T.	....	....	....	....	....	.01	.17	....	....	....	T.	.03	....	2.80
Runyon	Coast	.69	....	....	....	....	....	....	1.68	.25	....	.48	....	.03	....	....	.02	....	....	....	....	....	....	....	.14	.11	....	....	....	....	.08	....	3.48
Sandy Hook[1]‡	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Somerville(near)	Raritan	1.56	....	....	....	....	....	....	2.11	T.	....	.55	T.	....	....	....	.02	T.	....	....	....	....	....	....	.07	.06	....	....	....	....	T	....	4.37
Sussex	Hudson	.25	....	..	T.	....	....	....	1.20	.25	....	.38	.05	....	....	....	....	.60	....	....	....	....	....	....	.04	T.	....	....	....	....	....	....	2.77
Toms River	Coast	1.75	....	....	....	....	....	.20	1.90	....	....	.25	....	....	....	....	.40	20	....	....	....	....	....	....	.75	.50	....	....	....	....	....	....	5.95
Trenton[1]‡	Delaware	.07	....	T.	.01	....	....	.46	1.00	.05	....	.41	.04	.01	....	....	01	T.	....	....	....	....	....	....	.20	T.	....	....	....	T	....	....	2.26
Trenton No. 2[2]	Delaware	.10	....	.01	.01	....	....	.46	1.37	.06	....	.49	.06	.02	....	....	.06	T.	T.	....	....	....	....	....	.21	T	....	....	....	T.	....	....	2.85
Tuckerton	Coast	.04	....	....	....	....	....	04	1.62	.12	....	.12	....	....	....	....	....	T.	....	....	....	....	....	....	.06	.21	....	....	....	....	....	....	2.21
Vineland[3]	Maurice	1.09	....	.01	....	....	....	....	1.49	.11	....	....	.19	T.	....	....	....	.01	....	....	....	....	....	....	....	.20	....	....	....	....	....	....	31.0
Westfield[3]‡	Rahway	.72	....	....	....	....	....	....	1.30	.36	....	....	.58	T.	....	....	....	....	....	....	....	....	....	T.	....	.13	....	....	....	....	T.	....	3.09
Woodbury	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Woodcliff Lake[2]‡	Hackensack	.04	....	....	....	....	....	.15	1.29	.08	....	.33	.04	....	....	....	.05	.02	....	....	....	....	....	....	.11	.02	....	....	....	....	....	....	2.13
Woodstown	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y[1]‡	Coast	.05	....	T.	T.	....	....	.26	1.37	.07	....	.51	.06	T.	....	....	.01	.01	T.	T.	....	....	....	....	.15	.02	....	....	....	T.	.01	....	2.52
Phila., Pa[1]‡	Delaware	.13	....	T.	T.	....	....	.65	1.05	.08	....	.58	.02	.01	....	....	.01	T.	....	....	....	....	....	....	.26	.01	....	....	....	T.	....	....	2.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Pleasantville[3]	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Runyon	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for March, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	37	41	44	50	37	44	34	37	38	49	49	47	37	49	47	49	43	29	39	52	50	54	44	45	46	52	47	45	50	43	50	44.5
	Minimum	19	25	35	18	18	27	28	34	31	29	37	34	31	25	28	38	19	17	23	28	29	29	30	39	35	31	36	39	32	28	31	29.1
Barnegat City‡	Maximum	38	37	47	48	36	42	39	37	41	45	48	50	41	49	47	48	43	28	38	48	48	53	46	48	45	51	46	44	52	42	59	44.6
	Minimum	18	21	27	15	16	18	25	32	28	25	31	30	25	20	27	34	16	14	21	25	24	27	26	32	33	30	32	34	28	25	24	25.3
Belleplain	Maximum	37	39	54	50	38	41	38	36	34	49	51	46	40	47	53	....	58	29	36	50	49	53	52	50	48	45	56	53	50	43	59	46.1[a]
	Minimum	14	21	26	32	15	13	25	27	30	22	26	28	28	15	20	....	24	14	24	26	22	23	20	31	38	26	24	31	27	24	22	23.9[a]
Belvidere	Maximum	39	45	48	39	36	38	31	32	39	44	37	42	42	46	50	50	44	29	35	45	44	50	55	45	44	50	54	52	47	41	58	43.6
	Minimum	15	24	25	17	15	19	19	20	30	20	26	25	27	12	20	34	18	13	20	22	22	27	24	32	36	32	27	28	28	24	25	23.4
Boonton§§	Maximum	38	42	48	46	33	37	31	35	35	41	35	42	42	43	50	48	32	26	32	40	40	45	52	44	43	45	52	49	45	37	55	41.4
	Minimum	15	20	20	20	15	17	18	20	26	22	24	27	23	18	21	31	30	12	12	21	23	25	27	30	35	33	25	27	31	26	25	23.2
Bridgeton	Maximum	35	42	56	47	37	42	35	35	36	50	51	44	41	49	55	60	45	34	40	52	50	52	59	45	46	52	59	52	50	43	63	47.0
	Minimum	16	22	24	29	18	20	27	27	31	24	30	29	30	24	27	36	25	15	22	26	27	28	27	35	39	30	33	34	31	26	25	27.0
Burlington	Maximum	38	42	42	53	38	36	42	40	39	42	45	43	40	44	52	55	51	30	38	47	47	49	58	55	45	50	56	53	50	44	59	45.9
	Minimum	15	22	26	23	16	22	24	22	21	25	28	31	36	31	40	41	22	16	23	27	25	30	27	35	38	33	31	32	33	26	22	27.2
Canoe Brook§§	Maximum	39	41	47	48	35	38	33	33	37	37	40	40	40	44	50	47	26	32	34	44	43	49	54	48	49	48	53	52	49	40	57	42.8
	Minimum	16	13	19	35	13	11	14	23	32	15	19	23	24	5	14	32	25	13	17	21	21	25	19	26	35	30	20	22	23	24	17	20.8
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	36	40	50	48	48	35	33	31	33	43	42	40	41	42	50	49	46	25	31	39	39	43	53	53	48	44	51	48	47	42	51	42.6
	Minimum	12	21	20	10	10	9	11	20	21	20	16	25	23	14	23	30	16	3	6	12	16	22	23	24	18	29	22	18	27	21	22	18.2
Chatsworth	Maximum	37	39	59	51	34	40	37	34	36	45	47	44	40	45	53	55	52	28	38	48	46	52	58	48	46	51	53	52	49	44	60	45.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Clayton	Maximum	35	39	54	51	36	40	38	33	38	45	48	45	40	45	53	57	54	29	37	50	49	52	56	54	46	51	56	54	51	50	59	46.6
	Minimum	13	20	22	27	15	18	24	24	30	22	28	26	26	21	23	34	22	13	20	24	21	26	25	34	37	28	30	31	30	23	24	24.5
Dover	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Elizabeth	Maximum	42	45	50	46	39	41	43	33	44	46	47	49	46	52	55	53	47	30	37	48	47	54	59	54	48	53	58	55	50	45	61	47.6
	Minimum	17	24	22	27	11	16	21	25	31	18	25	26	26	17	24	33	22	15	22	20	23	26	25	30	39	32	24	30	28	25	21	24.0
Flemington	Maximum	40	43	47	45	38	35	35	34	42	44	41	42	42	46	52	53	50	28	39	46	47	51	60	52	45	53	57	53	56	43	55	45.4
	Minimum	16	25	28	25	16	19	21	24	30	24	25	30	24	22	22	33	18	14	21	24	23	29	27	31	37	32	26	29	31	25	26	25.1
Freehold	Maximum	39	40	52	50	35	38	33	33	38	43	44	41	38	42	51	52	44	26	40	44	44	50	56	49	44	49	53	50	49	40	58	44.0
	Minimum	15	19	24	27	14	20	21	25	30	22	28	30	29	19	25	32	20	12	18	22	23	25	24	32	36	30	29	31	28	24	23	24.4
Hammonton	Maximum	38	40	57	50	37	42	34	35	37	46	48	47	42	47	55	59	54	29	39	52	48	55	59	57	46	51	57	53	50	45	61	47.4
	Minimum	15	18	26	31	15	20	25	27	31	21	27	30	28	26	23	34	27	15	22	23	21	28	25	35	38	29	29	29	29	25	24	25.7
Hightstown	Maximum	37	37	48	49	35	38	34	33	35	40	41	40	38	42	49	52	50	28	36	44	44	50	54	48	45	48	54	52	48	41	57	43.5
	Minimum	15	19	21	26	15	21	22	25	30	23	25	29	27	20	25	33	22	14	21	23	22	27	25	33	38	30	27	28	28	25	24	24.7
Indian Mills(near)	Maximum	37	41	52	52	35	41	34	33	37	44	47	45	41	45	53	56	49	28	39	49	47	52	57	47	46	51	56	52	49	42	60	45.7
	Minimum	16	20	26	25	16	17	25	26	31	20	28	28	28	20	23	35	20	15	22	17	16	26	22	36	37	30	32	30	31	25	20	24.6
Jersey City	Maximum	40	45	50	47	36	41	39	28	37	44	39	44	41	48	53	53	51	28	36	44	45	49	57	56	45	49	54	52	46	40	58	45.0
	Minimum	17	26	33	25	17	25	23	26	27	32	35	32	25	26	31	37	23	14	22	28	26	31	30	40	41	35	36	33	34	28	30	28.6
Lakewood	Maximum	39	40	57	51	38	42	32	33	37	45	47	45	39	47	54	55	42	29	40	49	49	52	57	49	45	57	53	50	52	45	60	46.1
	Minimum	17	22	22	28	16	16	23	27	32	24	25	31	25	20	24	32	23	15	22	25	22	26	25	30	40	30	29	28	29	26	17	24.9
Lambertville(near)	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Layton(near)	Maximum	34	40	48	46	32	35	30	32	35	42	41	41	43	42	48	47	41	24	31	40	39	43	55	50	42	44	49	50	44	36	57	41.3
	Minimum	13	20	20	12	12	15	11	22	27	19	17	16	9	4	15	31	16	10	18	18	13	24	18	26	34	31	18	21	27	22	16	18.5
Little Falls§§	Maximum	41	43	51	40	35	38	33	43	38	44	40	42	43	46	51	51	36	27	34	43	43	52	56	49	43	48	53	50	45	40	58	43.7
	Minimum	17	24	31	38	15	18	19	23	29	22	24	29	21	17	21	32	26	12	19	22	23	28	26	30	38	31	26	27	27	26	26	24.7
Long Branch*	Maximum	39	41	59	52	35	39	31	35	36	44	45	44	36	45	48	49	44	28	37	45	45	50	52	48	46	49	48	47	48	42	58	44.0
	Minimum	22	26	30	17	19	20	25	29	29	24	29	31	26	23	28	37	16	15	22	25	25	27	27	34	36	32	31	32	30	27	25	26.4
Long Valley§§	Maximum	36	42	45	44	34	37	30	33	35	40	33	41	40	44	48	46	30	27	33	42	40	46	53	45	43	46	52	49	45	39	51	40.9
	Minimum	14	22	18	31	13	11	12	19	27	15	16	24	18	14	17	19	22	11	19	20	18	23	25	28	33	30	22	24	29	24	23	20.4
Moorestown	Maximum	35	40	51	47	35	39	38	33	35	44	45	42	38	44	52	55	36	29	37	48	45	51	56	47	45	50	55	52	49	43	59	44.4
	Minimum	17	23	26	22	20	25	25	30	31	24	30	31	26	22	27	36	20	16	25	26	25	29	26	36	37	32	32	32	33	25	26	26.9
Newark*	Maximum	40	43	50	49	35	39	33	34	35	41	38	43	42	46	51	50	41	29	36	44	43	49	56	51	45	49	56	51	47	40	58	44.0
	Minimum	19	27	28	17	20	21	22	25	28	23	31	32	26	25	31	35	16	15	22	24	26	30	30	37	38	34	31	35	31	27	25	26.8
New Brunswick	Maximum	38	41	48	48	34	37	35	33	36	43	43	42	39	43	49	51	46	28	37	45	43	49	55	54	45	49	53	50	47	43	57	43.9
	Minimum	15	22	24	25	15	19	21	24	30	21	28	29	26	20	27	32	21	14	21	23	25	27	26	33	37	31	27	31	29	24	23	24.8
Newton	Maximum	35	41	46	46	31	34	31	29	39	43	35	42	44	41	53	50	40	24	30	39	39	44	53	46	41	44	52	49	44	36	56	41.2
	Minimum	10	20	24	14	9	11	13	19	25	15	22	22	16	13	20	30	13	8	17	16	17	21	22	32	31	28	23	25	26	20	21	19.5
N. Merchantville*	Maximum	36	43	50	49	36	41	32	33	38	47	45	44	38	46	55	58	46	29	39	50	47	52	59	48	46	53	56	53	48	43	62	45.9
	Minimum	16	25	30	17	18	27	25	26	29	27	31	31	28	25	30	38	18	15	23	28	29	31	29	38	37	33	36	35	31	26	30	27.8
Paterson§§	Maximum	41	43	50	45	36	39	33	34	36	46	36	43	43	45	51	52	33	27	35	43	43	49	58	48	43	48	55	52	47	40	58	43.6
	Minimum	18	25	27	34	15	20	21	22	27	23	26	29	23	22	26	30	31	12	12	19	22	26	27	32	36	33	28	32	30	26	25	25.1
Pemberton	Maximum	43	40	53	50	37	41	36	34	38	45	46	44	40	46	54	55	46	29	39	49	47	53	57	50	46	51	57	52	60	43	58	46.7
	Minimum	16	20	27	27	17	20	25	26	31	24	29	31	28	22	27	34	23	15	22	26	24	27	26	35	37	31	31	32	30	26	22	26.5
Phillipsburg	Maximum	33	36	46	40	34	34	28	29	34	40	34	39	35	41	45	47	40	26	35	44	43	47	51	45	44	46	50	49	45	40	54	40.5
	Minimum	15	24	24	15	17	20	20	24	29	22	26	28	20	19	26	34	15	13	20	24	24	28	24	33	36	32	27	28	29	24	22	23.9
Plainfield	Maximum	39	43	51	47	38	39	31	34	38	44	37	44	41	45	52	51	40	28	34	45	44	51	56	51	46	51	54	52	48	41	59	44.3
	Minimum	16	24	27	17	15	16	23	25	31	24	30	30	27	24	28	33	18	15	22	26	25	30	24	36	37	33	27	33	32	26	24	25.7
Pleasantville§§	Maximum	40	40	49	52	39	45	36	38	40	56	51	49	40	48	51	54	36	30	42	53	51	53	51	48	47	53	53	49	51	46	63	46.9
	Minimum	16	22	24	38	15	16	25	29	31	21	28	29	29	15	19	35	31	14	20	16	14	19	25	53	41	27	26	32	27	26	15	25.1
Ridgefield*	Maximum	39	42	50	47	36	39	31	33	35	45	35	40	41	45	51	51	41	27	35	45	44	49	57	49	43	49	55	50	45	40	58	43.5
	Minimum	21	25	29	16	16	23	21	25	30	22	28	29	22	21	25	34	15	13	20	20	20	27	29	39	36	33	30	31	29	27	25	25.2
Runyon	Maximum	36	42	44	40	46	40	32	33	36	38	44	44	43	46	50	54	45	28	36	44	48	52	49	47	44	44	54	52	48	44	52	43.7
	Minimum	15	20	22	20	14	8	18	25	30	15	33	28	25	9	15	32	20	14	18	20	22	26	15	34	30	36	30	30	25	27	12	22.2
Sandy Hook*	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Somerville(near)	Maximum	39	40	51	47	35	38	34	34	38	43	39	41	42	43	51	48	42	27	34	43	41	48	54	52	43	48	53	52	46	40	56	43.3
	Minimum	14	23	27	25	13	14	18	23	30	22	27	26	22	20	24	32	19	10	19	21	21	26	24	34	36	31	29	29	30	23	28	23.9
Sussex	Maximum	38	41	46	43	33	35	32	30	36	45	41	41	39	43	48	48	44	24	32	40	40	45	54	50	43	44	50	51	46	36	57	41.8
	Minimum	14	22	24	20	13	16	14	22	28	18	19	22	15	5	18	33	17	11	19	18	20	25	21	28	35	32	21	25	26	24	24	20.9
Trenton*	Maximum	37	40	48	48	35	38	31	33	36	43	43	42	37	42	50	52	44	28	36	44	44	48	55	47	45	48	53	52	46	40	58	43.3
	Minimum	19	25	29	17	19	27	24	27	29	26	32	29	27	25	31	36	17	16	23	27	27	31	29	38	37	33	37	36	30	26	31	27.7
Trenton No. 2*	Maximum	38	40	49	48	37	40	32	33	38	44	40	44	38	43	50	53	44	29	37	46	45	50	56	47	45	50	54	54	49	42	59	44.3
	Minimum	16	24	28	17	18	23	24	26	29	25	28	32	27	22	27	35	16	15	22	25	25	29	28	38	36	32	34	32	30	26	26	26.3
Tuckerton	Maximum	40	41	46	50	38	45	44	38	40	50	48	47	38	50	52	52	48	34	38	53	52	55	52	48	48	52	53	48	53	48	61	47.2
	Minimum	25	22	28	35	12	20	25	30	30	25	30	32	30	20	25	35	25	12	22	27	25	25	25	35	38	30	30	35	36	27	26	27.2
New York, N. Y.*	Maximum	36	44	50	50	36	40	36	35	36	41	42	43	39	48	53	51	42	28	35	44	44	48	54	49	49	49	58	48	45	39	55	44.0
	Minimum	21	26	32	16	18	25	24	28	26	25	31	31	25	26	31	35	16	14	22	23	25	30	29	39	36	35	37	38	30	27	29	27.4
Philadelphia, Pa.*	Maximum	36	42	51	50	37	41	32	34	36	45	46	42	40	46	52	54	47	29	38	51	47	52	57	46	47	49	55	54	47	42	57	45.2
	Minimum	16	26	33	18	19	30	26	26	30	29	34	33	30	27	34	40	17	16	24	29	31	33	33	40	38	34	39	38	32	27	35	29.6

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

NJ

JUN 24 1941
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

VOL. XLVI. APRIL, 1941. No. 4.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

April, 1941, was unseasonably warm. The average temperature, 55.4°, is the highest April average ever recorded for New Jersey except that for April, 1921, which was 56.5°. There were only a few days on which the temperature was not above normal. The week ending April 20th was the warmest April week in Trenton since 1896 and the temperature of 91° reached here on the 20th, equals the all time April record for Trenton. The average for that week was 20° above normal and equaled the middle of June normal. As a result of the unusually warm weather, trees foliated and vegetation developed with great rapidity. Peaches were in bloom two weeks earlier than last year.

The month was dry with only 64 percent of normal rainfall. It was also the third month with precipitation much below normal. In fact, the amount for the three months, February to April inclusive this year, was only 69 percent of normal for the period. No rain fell from the 6th to the 23d. The dry weather was favorable for farm work. The main potato crop and large amounts of early truck were planted before the close of the month as well as some field corn The month might be considered the opposite of April, last year, which was wet and cold. As a result of the hot and dry weather, an extreme fire hazard developed about the middle of the month and continued until broken by the showers on the 23d. Many thousands of acres were burned over, mainly in Burlington, Ocean and Atlantic Counties, and about 100 homes were destroyed within the areas by the raging fires.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 55.4°, which was 5.8° above normal. The highest temperature was 96° at Chatsworth on the 20th, and the lowest, 19°, at Pleasantville on the 7th. The greatest daily range of temperature was 52° at Runyon on the 14th. The highest monthly mean temperature was 58.8° at North Merchantville, and the lowest, 52.8° at Pleasantville.

The temperature departure from the normal for the year, 1941, to date, for the State is −0.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 53 stations, was 2.32 inches, which was 1.33 inches below normal. No snow fell during the month, as compared with the normal of 1.2 inches. The greatest monthly precipitation was 3.17 inches at Belleplain, and the least, 1.20 inches at Culvers Lake The greatest amount of precipitation in any 24 consecutive hours was 2.03 inches at Rahway on the 6th. The average for the Highlands was 1.91 inches, for the Red Sandstone Plain 2.49 inches, and for the Southern Interior 2.40 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −4.39 inches; Red Sandstone Plain, −3.94 inches; Southern Interior, −3.04 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 16, 17.
DENSE FOG: 11, 13, 17, 19.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.07	30.48	12	29.49	5	14.7	46	e.	5	71	61	68	72
Long Branch	30 06	30.50	12	29.51	5	11.2	35	w.	21	70	39	50	80
Ridgefield	30.05	30.49	12	29.57	6	..	....	. .	....	....	....	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	30.07	30.44	12	29.55	5	9.1	27	s.	20	67	37	47	77

COMPARATIVE DATA FOR APRIL.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	....	......	......	......	......
1886	50.6	86	27	3.40	....	......	......	......	......
1887	47.3	87	16	2.70	....	7	......	......	......
1888	47.9	92	22	3.28	....	9	......	......	......
1889	51.2	83	25	5.32	....	12	......	......	......
1890	50.4	86	21	2.65	....	8	......	......	......
1891	52.0	88	20	2.19	....	8	13	11	6
1892	49.3	87	19	2.49	....	8	9	13	8
1893	49.2	82	19	5.21	....	11	9	10	12
1894	50.3	88	10	3.09	....	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	1.35	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	**3**	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49.3	85	16	4.64	T.	12	11	9	10
1938	53.0	94	12	2.82	2.8	9	14	8	8
1939	48.3	89	20	5.12	0.1	14	9	8	13
1940	45.5	79	15	5.62	2.2	12	9	8	13
1941	55.4	96	19	23.2	0	5	19	6	5
Period	49.6	98	3	3.65	1.2	10	12	9	9

Climatological Data for April, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	52.7	+4.9	90	14	34	3	43	2.99	0.00	1.07	0	6	14	8	8	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	49.4	......	86	14†	28	4	44	1.99	−1.70	0.67	0	6	10	8	12	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	53.8	+3.5	90	20	27	8	43	3.24	−0.46	1.30	0	5	22	3	5	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	57.2	+7.5	93	20	29	7†	42	2.20	−1.56	1.00	0	3	20	6	4	......	Miss C. S. Hixson.
Boonton	Morris	280	§51	54.1	+6.1	89	20	30	4†	45	2.09	−1.81	0.93	0	5	18	4	8	ne.	John Kline.
Bridgeton	Cumberland	30	58	57.2	+5.0	94	20	31	3	43	2.64	−1.04	0.95	0	7	24	1	5	se.	Bennett K. Matlack
Burlington	Burlington	12	§55	58.6	+6.7	89	15†	33	3	44	2.02	−1.45	0.66	0	4	25	0	5	sw.	Public Service G. & E. Co.
Canoe Brook...‡‡	Essex	180	11	53.4	+6.5	91	15†	24	7	45	2.34	−1.87	1.51	0	5	21	5	4	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	.....	......	.....	.....	.....	.....	....	......	......	.....	0	....	....	....	....	......	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	49	54.0	+7.3	90	20	23	7	44	1.99	−2.33	0.96	0	5	17	9	4	s.	Newark Water Dept.
Chatham	Morris	185	37	.....	......	.....	.....	.....	.....	....	2.31	−1.91	1.12	0	5	20	9	1	......	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	55.5	......	96	20	21	7	46	2.27	......	1.16	0	3	20	7	3	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	55.7	+4.8	92	20	22	13	47	2.52	−1.09	0.91	0	4	19	4	7	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	.....	......	.....	.....	.....	.....	....	1.20	−2.33	0.50	0	3	....	....	....	......	L. S. Depue.
Dover	Morris	600	57	55.1ᵇ	+7.7	88	20	29	9	37	1.78	−2.28	1.05	0	4	10	17	3	......	William C. Harris
Egg Harbor City	Atlantic	63	19	.....	......	.....	.....	.....	.....	....	2.99	−0.67	1.07	0	7	25	1	4	......	Chas. E. Hall.
Elizabeth	Union	34	62	57.6	+6.7	94	20	30	7†	47	2 83	−1.01	1.07	0	4	22	1	7	ne.	Union County Park Comn
Flemington	Hunterdon	140	§55	57.4	+7.2	91	20	30	7	42	2.30	−1.32	0.74	0	5	24	0	6	nw.	Hiram E. Deats
Freehold	Monmouth	194	§37	54.9	......	92	20	28	7	40	2.39	−1.32	0.73	0	5	24	4	2	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	56.9	......	94	20	29	7	44	2.51	−1.27	0.73	0	7	16	10	4	nw.	J. G. Wilson.
Hightstown	Mercer	110	48	55.2	+5.0	92	20	30	7	41	2.17	−1.72	0.81	0	5	17	9	4	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	55.9	+5.4	93	20	29	7†	45	2.42	−1.38	0.75	0	6	16	10	4	s.	Edward Entwistle.
Jersey City	Hudson	81	43	58.2	+8.1	88	15	36	13	32	2.67	−1.08	1.00	0	5	17	9	4	n.	Jersey Journal.
Lakewood	Ocean	54	37	55.0	+5.4	94	20	27	7	44	2.25	−1.70	0.80	0	5	14	10	6	nw.	R. W. Holman.
Lambertville	Hunterdon	75	54	56.6	+6.6	91	20	28	8	42	2.44	−1.36	0.89	0	6	22	3	5	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	40	53.2	+6.5	89	20	21	8	44	1.89	−1.60	0.73	0	7	20	4	6	s.	A. M. Depue.
Little Falls	Passaic	157	38	55.9	+6.5	93	20	31	4	41	2.71	−1.45	1.80	0	6	21	5	4	ne.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	53.4	+5.2	88	15	31	7	37	2.26	−2.01	0.84	0	6	15	10	5	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	52.9	......	92	19	27	7†	47	1.85	......	0.75	0	6	24	0	6	n.	Arthur Barkman.
Millville	Cumberland	......	....	.....	......	.....	.....	.....	.....	....	2.43	......	0.89	0	6	15	8	7	......	Paul Ritchie.
Moorestown	Burlington	62	78	56.4	+6.0	92	20	31	7	43	2.00	−1.65	0 61	0	6	18	8	4	n.	Japanese Beetle Laboratory
Newark	Essex	10	42	56.2	+6.2	91	20	33	13	39	2.93	−0.95	1.41	0	7	10	10	10	ne.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	56.1	+6.5	92	20	32	7	42	2.54	−1.07	0.89	0	6	16	10	4	e.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	.....	......	.....	.....	.....	.....	....	2.04	−1.68	0.76	0	7	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	58	54 8	+7.0	93	20	26	7	39	1 67	−1.86	0.64	0	6	18	8	4	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	58.8	......	91	14†	34	3†	39	2.12	......	0.78	0	6	17	8	5	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	.....	......	.....	.....	.....	.....	....	2.45	......	1.07	0	7	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	70	56.4	+5.8	91	20	32	1	43	1.90	−1.93	0.78	0	7	19	7	4	nw.	J. W. Cook.
Pemberton	Burlington	55	11	57.1	+6.2	93	20	30	7	42	2.06	−1.30	0.75	0	5	23	4	3	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	54.8	+5.4	88	14†	30	8†	39	2.29	−1.10	1.03	0	8	20	8	2	......	Town Engineer.
Plainfield	Union	120	53	57.1	+7.7	94	20	30	7	41	2.61	−1.18	1.22	0	5	13	13	4	n.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§43	52.8	+4.2	91	14†	19	7	48	2.98	−0.44	1.00	0	6	21	4	5	se.	N. J. Water Policy Comm
Rahway	Union	20	....	.....	......	.....	.....	.....	.....	....	3 05	......	2.03	0	4	23	3	4	......	Norman C. Wittwer.
Ridgefield	Bergen	80	24	55.9	+7.5	88	15	34	7	34	2 01	−1.44	0.98	0	6	14	13	3	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	54.4	+6.3	93	20	21	7	52	2.56	−1.27	1.03	0	4	27	1	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	53.3	+5.0	82	30	36	3†	32	1.98	−1.64	0.82	0	7	14	8	8	sw.	U. S. Weather Bureau
Somerville(near)	Somerset	385	58	56.3	+6.9	91	20	30	7†	38	2.58	−1.08	0.80	0	4	19	7	4	sw.	Richard H. Rogers.
Sussex	Sussex	450	46	54.8	+6.4	90	20	25	8	43	1.53	−2.00	0.56	0	9	18	8	4	ne.	Marshall Hunt.
Toms River	Ocean	33	20	.....	......	.....	.....	.....	.....	....	2.56	−1.35	0.95	0	4	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	69	57.3	+7.5	91	20	34	3	39	2.03	−0.91	0.88	0	6	14	8	8	n.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	57.0	......	92	20	33	7	39	2.23	......	0.89	0	6	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	48	54.6	+5.2	90	14	33	3†	41	2.16	−1.61	0.84	0	4	24	1	5	e.	John H. Brown.
Vineland	Cumberland	109	61	.....	......	.....	.....	.....	.....	....	2.45	−1.15	0.81	0	7	....	....	....	......	Edward H. Ladd.
Westfield	Union	145	1	.....	......	.....	.....	.....	.....	....	2.73	......	1.90	0	3	21	5	4	sw.	Town Engineer.
Woodbury	Gloucester	50	1	.....	......	.....	.....	.....	.....	....	......	......	.....	0	....	....	....	....	......	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	23	.....	......	.....	.....	.....	.....	....	2.06	−1.74	0.86	0	6	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	7	.....	......	.....	.....	.....	.....	....	......	......	.....	0	....	....	....	....	......	Charles Bishop.
New York, N. Y.	......	10	76	56.5	+7.1	85	14	36	3	33	3.12	−0.11	2.33	0	7	15	7	8	n.	U. S. Weather Bureau
Philadelphia, Pa.	......	26	70	59.2	+7.1	90	20	37	3	37	2.48	−0.57	1.15	0	6	16	8	6	n.	U. S. Weather Bureau.
For the State	......	......	....	55.4	+5.8	96	20	19	7	52	2.32	−1.33	2.03	0	5	19	6	5	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-6-16-41-925

Daily Precipitation for April, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.84	.23			.70	.17								T.									.34	.71			T.					2.99
Barnegat City[4]	Coast	.15	.31			.67	.28																	.25	.33								1.99
Belleplain	Tuckahoe	.07	1.30			.97	.12																		.78								3.24
Belvidere	Delaware					1.00	.70																		.50								2.20
Boonton[3]	Passaic		.05				.93	.17							T.			.17							.77								2.09
Bridgeton	Delaware	.17	.62			.95	04											.07							.75			.04					2.64
Burlington	...do		.47			.51	.38																T.		.66								2.02
Canoe Brook[3]	Passaic		.02				1.51	.16							.02										.63								2.34
Cape May[4]	Coast																																
Charlotteburg	Passaic		.03			.36	.96								T.			.06							.58								1.99
Chatham[3]	..do		.19				1.12	.26							.02										.72								2.31
Chatsworth	Delaware					1.16	.46																		.65								2.27
Clayton	Delaware		.74			.91	.15																		.72								2.52
Culvers Lake	...do		T.			.50	.38											T.							32		T.						1.20
Dover	Passaic		.01				1.05								.02										.70								1.78
Egg Harbor City[2]	Mullica	.66	.20			1.07	.40											.01						.18	.47								2.99
Elizabeth	Coast		.32			.85	1.07																		.59								2.83
Flemington	Raritan		.36			.74	.44											T.							.71			.05					2.30
Freehold	.do	.04	29			.65	.73																		.68			T.					2.39
Hammonton	Mullica	.13	.65			.65	.32								T.			.02							.73			.01					2.51
Hightstown	Raritan	.03	.23			.57	.81																		.53								2.17
Indian Mills	Mullica	.09	.45			.73	.37								T.			.03							.75								2.42
Jersey City	Coast	T.	.25			.85	1.00								.02			T							.55			T.					2.67
Lakewood	Metedeconk		.25			.80	.55																		.62			.03					2.25
Lambertville	Delaware	.01	.41			.89	.52																		.59			.02					2.44
Layton(near)	....do	.05				.57	.73								.10			.17		.19					.08			T.					1.89
Little Falls[3]	Passaic		.10				1.80	.01							.05			.02							.73								2.71
Long Branch[2]‡	Coast	.23	.07			.84	.46								T.			T.						.03	.63								2.26
Long Valley[3]	Raritan		.15				.75	.10									.05								.75	T		.05					1.85
Millville[2]‡	Maurice	.58	.27			.89	.06																	.08	.55								2.43
Moorestown[3]	Delaware		.59			.26	.61	.08							T.			T.							.44			.02					2.00
Newark[2]	Coast	.26	.01			1.41	.65								.02									.11	.47			T.					2.93
New Brunswick	Raritan	.03	.44			.56	.89								T.			.02							.60								2.54
New Milford[2]‡	Hackensack	.11				.76	.36							.01				.03						.30	.47								2.04
Newton	Delaware	T.				.64	.47								.02			.09							.44			.01					1.67
N. Merchantville[2]‡	Delaware	.31	.16			.78	.16								T.			T.						.50	.21		T.	T.					2.12
Orange[2]‡	Passaic	*	.17			1.07	.51								.02									.21	.47								2.45
Paterson[3]	Passaic	.07	T.			.78	.27								.02			.03						.30	.43								1.90
Pemberton	Delaware	.05	.33			.48	.45																		.75								2.06
Phillipsburg	....do	.10	.15			1.03	.32											.04						.23	.33		.09						2.29
Plainfield	Raritan	.11	.20			1.22	.53				T.				T.			T.						T.	.55								2.61
Pleasantville[3]	Coast		1.00			.18	.85	.24										T.							.61	.10							2.98
Rahway[3]‡	Rahway		.30				2.03	.21						T.											.51				T.				3.05
Ridgefield[2]	Hackensack	.04	.10			.98	.14							T.	.03									T.	.72								2.01
Runyon	Coast		.39			.61	1.03																		.53								2.56
Sandy Hook[4]‡	Coast	.25	03			.82	.34								.03									.23	.28			T.					1.98
Somerville(near)	Raritan		.38			.80	.72																		.68								2.58
Sussex	Hudson	.03	.01			.36	.56	.01							.08			.08		.01					.39								1.53
Toms River	Coast	.32				.95	.60																		.69								2.56
Trenton[1]‡	Delaware	.26	.08			.85	.28								T.			T.						.17	.39		T.						2.03
Trenton No. 2[2]	Delaware	.29	.05			.89	.32																	.22	.46		T.						2.23
Tuckerton	Coast		.51			.84	.32																		.49								2.16
Vineland[3]	Maurice		.81			31	.55	.05										.01							.70	.02		T.					2.45
Westfield[3]‡	Rahway		.27				1.90								T.										.56								2.73
Woodbury	Delaware																																
Woodcliff Lake[2]‡	Hackensack	.06				.86	.40											.05						.16	.53								2.06
Woodstown	Delaware																																
New York, N. Y[1]‡	Coast	.24	.02			1.70	.66								.01			T.						.11	.35			T					3.12
Phila., Pa[1]‡	Delaware	.37	.11			1.14	.13											T.						.30	.43		T.						2.48

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation	.040	.160	.160	*	.070	.144	.096	.128	.160	.144	.160	.064	.192	.288	.288	.224	.192	.240	.192	.304	.304	.240	.194	*	.180	.144	.176	.288	.320	.208		5.300
	Wind movement	23	161	42	85	128	27	54	26	48	24	42	42	89	46	34	59	31	52	64	110	87	64	36	56	53	64	57	66	33	40		1743
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for April, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	52	57	49	49	49	47	51	50	55	53	58	46	53	90	86	72	68	69	61	62	74	62	55	56	50	49	69	78	60	69	....	60.0
	Minimum	42	40	34	41	43	42	39	38	42	43	44	38	39	47	59	52	50	53	51	54	55	46	47	46	39	43	42	51	52	51	....	45.4
Barnegat City‡	Maximum	49	52	50	48	49	45	47	51	50	55	62	46	53	86	86	72	63	63	61	62	76	62	56	67	51	49	60	81	60	77	....	59.6
	Minimum	30	35	32	28	36	38	29	36	34	37	38	36	37	42	52	46	45	43	43	48	49	41	40	34	38	39	29	49	48	46	....	39.3
Belleplain	Maximum	54	54	55	60	52	52	60	59	65	62	66	61	67	87	86	79	81	74	80	90	80	64	64	56	57	52	67	75	75	82	....	67.2
	Minimum	41	38	29	29	40	42	28	27	30	30	31	37	31	47	52	56	51	52	48	53	61	43	37	40	33	38	35	48	42	39	....	40.3
Belvidere	Maximum	62	55	63	64	51	59	63	69	67	71	73	67	71	88	86	81	82	83	89	93	84	64	62	61	67	63	67	81	84	89	....	72.0
	Minimum	37	39	37	33	40	39	29	29	32	42	36	37	37	54	51	57	55	47	65	53	56	40	33	44	32	39	39	52	45	47	....	42.5
Boonton§§	Maximum	63	54	59	60	43	56	62	64	63	68	70	60	68	85	82	75	80	80	83	89	69	57	62	60	62	62	66	77	77	82	....	67.9
	Minimum	32	39	34	30	35	38	32	31	30	37	34	34	30	40	54	60	52	51	53	50	57	41	30	42	30	36	39	46	43	48	....	40.3
Bridgeton	Maximum	61	53	59	65	52	52	62	73	69	68	71	67	71	89	88	84	85	84	85	94	78	65	63	58	66	62	68	77	80	82	....	71.0
	Minimum	41	39	31	35	42	44	32	36	36	35	37	40	36	46	54	57	52	55	51	57	60	44	43	46	37	40	39	47	46	45	....	43.4
Burlington	Maximum	60	63	61	63	57	52	69	69	68	72	73	68	68	79	89	81	82	76	83	89	71	87	67	54	57	76	68	79	82	86	....	71.6
	Minimum	41	40	33	36	42	41	59	57	53	42	35	42	40	42	54	58	54	54	51	51	53	43	41	36	34	43	42	52	46	46	....	45.5
Canoe Brook§§	Maximum	65	58	60	57	45	59	68	64	61	68	71	58	69	86	91	81	82	81	82	91	71	65	58	59	62	65	65	77	76	83	....	69.3
	Minimum	32	37	31	26	33	38	24	27	26	35	29	29	30	50	47	56	54	44	48	47	59	41	24	43	26	30	34	50	34	38	....	37.4
Cape May.‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	59	67	67	60	58	56	60	63	64	67	70	68	70	74	85	83	83	83	84	90	88	70	61	60	63	61	65	77	79	83	....	70.6
	Minimum	34	35	35	34	31	37	23	27	29	31	28	29	28	53	45	57	49	47	52	46	54	36	24	40	28	31	33	49	36	41	....	37.4
Chatsworth	Maximum	62	57	54	50	58	51	61	64	67	67	72	65	73	89	90	82	88	83	89	96	83	61	63	57	59	58	72	78	77	86	....	70.4
	Minimum	40	40	30	32	49	42	21	29	30	35	32	41	31	46	52	54	51	52	48	53	49	42	36	45	33	38	39	45	43	40	....	40.5
Clayton	Maximum	61	57	57	64	57	50	61	61	67	68	71	65	69	88	87	83	84	84	88	92	80	67	65	58	63	61	69	76	81	84	....	70 6
	Minimum	39	37	31	33	38	41	29	31	34	35	32	38	22	46	53	55	50	52	48	54	59	42	40	44	33	38	35	48	44	44	....	40 8
Dover	Maximum	60	55	60	59	49	56	62	....	....	66	69	61	69	85	85	76	81	80	84	88	78	61	62	60	60	60	66	75	74	82	....	68.7[b]
	Minimum	38	37	31	30	37	39	31	....	29	....	34	36	32	55	51	58	53	49	55	52	57	40	30	43	32	36	37	51	42	47	....	41.5[b]
Elizabeth	Maximum	61	62	65	68	52	58	67	69	61	68	80	65	72	90	89	84	85	86	83	94	84	69	63	62	71	62	73	82	80	91	....	73 2
	Minimum	37	40	31	36	37	40	30	30	32	39	34	39	32	50	55	57	54	48	50	49	60	41	33	45	35	41	39	55	45	44	....	41.9
Flemington	Maximum	59	60	64	63	61	55	65	69	69	69	70	68	71	88	87	84	86	85	89	91	85	71	67	62	63	63	68	78	81	89	....	72 7
	Minimum	37	39	33	35	39	40	30	32	32	41	36	36	37	49	52	60	54	52	52	53	57	40	32	44	35	40	37	51	44	47	....	42.2
Freehold	Maximum	60	56	60	54	46	53	61	63	61	62	67	55	71	86	85	79	83	78	81	92	78	66	64	58	58	56	68	76	75	84	....	67.9
	Minimum	40	38	30	34	37	40	28	29	33	38	38	36	35	46	59	58	50	52	49	52	59	40	39	43	32	40	37	49	49	48	....	41.9
Hammonton	Maximum	63	58	60	62	63	54	62	64	68	69	72	64	72	91	89	83	87	84	88	94	83	66	65	58	61	61	68	78	81	86	....	71.8
	Minimum	41	38	31	33	44	40	29	30	34	35	36	39	35	47	57	56	52	50	47	54	61	42	41	45	34	39	38	46	45	42	....	42.0
Hightstown	Maximum	61	56	59	58	50	53	62	63	63	68	70	61	70	87	84	79	81	80	87	92	80	64	66	59	59	57	67	76	79	83	....	69.1
	Minimum	40	38	31	32	38	40	30	32	31	39	34	37	36	48	56	55	52	52	49	51	58	40	32	44	31	40	39	50	43	44	....	41.4
Indian Mills(near)	Maximum	62	56	59	62	50	49	61	63	67	68	71	62	70	90	89	81	85	84	87	93	78	63	63	57	62	60	69	77	80	85	....	70.1
	Minimum	40	39	30	32	40	42	29	29	31	35	33	40	38	47	55	56	52	51	48	56	61	42	38	45	32	40	38	50	42	40	....	41.7
Jersey City	Maximum	59	56	60	57	53	56	62	66	66	66	71	67	59	87	88	87	76	76	73	81	79	73	60	61	60	58	69	78	78	85	....	68.9
	Minimum	45	40	37	38	39	39	37	40	39	43	47	43	36	55	68	64	53	55	55	54	63	44	45	46	39	47	43	55	57	56	....	47.4
Lakewood	Maximum	59	61	59	55	47	51	64	63	62	66	69	57	70	90	90	82	77	77	79	94	84	67	65	60	58	54	69	80	74	87	....	69.0
	Minimum	42	39	32	29	37	37	27	31	29	39	32	35	35	48	54	54	52	51	48	50	61	42	34	44	33	40	37	49	44	47	....	41.1
Lambertville	Maximum	59	57	61	62	56	55	63	64	66	69	72	69	71	89	86	82	84	82	87	91	88	68	67	61	62	60	70	79	79	85	....	71.5
	Minimum	39	39	31	32	40	41	30	28	31	41	34	37	40	51	52	52	56	51	52	53	60	42	32	45	30	40	38	51	42	43	....	41 8
Layton(near)	Maximum	62	52	61	63	50	60	60	64	66	68	70	65	70	84	85	76	83	80	85	89	81	60	63	58	66	61	67	77	79	83	....	69.6
	Minimum	34	30	30	22	37	37	23	21	22	32	27	28	30	52	46	55	49	41	52	52	55	36	23	42	23	33	37	58	37	39	....	36 8
Little Falls§§	Maximum	62	57	63	60	53	57	62	66	61	69	71	60	70	87	87	80	84	81	86	93	72	60	61	61	63	66	69	79	77	85	....	70.1
	Minimum	39	39	32	31	36	39	33	33	33	36	35	36	32	47	52	59	53	51	54	52	60	42	32	44	32	38	38	53	43	47	....	41.7
Long Branch*	Maximum	56	55	57	50	45	50	59	58	49	60	64	47	60	87	88	79	66	68	65	75	73	63	57	59	55	53	68	78	64	85	....	63 1
	Minimum	42	40	35	33	40	39	31	36	37	40	36	37	34	50	61	54	50	56	51	51	56	41	38	44	42	41	40	52	55	52	....	43.8
Long Valley§§	Maximum	60	54	60	60	43	55	61	64	63	67	70	63	68	87	85	78	81	80	92	89	70	59	64	60	62	60	62	77	78	84	....	68.5
	Minimum	28	36	32	29	34	37	27	27	28	33	30	32	30	40	47	53	52	47	51	49	56	39	27	36	33	33	35	36	39	44	....	37.3
Moorestown	Maximum	60	55	59	64	51	50	63	63	65	69	70	65	70	90	88	81	84	82	89	92	70	61	65	61	61	60	69	77	79	88	....	69.9
	Minimum	40	39	32	35	40	42	31	32	33	40	36	40	40	47	57	58	53	54	50	53	59	41	39	44	34	41	38	51	46	44	....	43 0
Newark*	Maximum	58	55	61	55	45	55	61	64	58	64	71	55	67	88	87	80	83	76	74	91	76	60	59	60	60	58	69	78	69	85	....	67.4
	Minimum	42	39	36	38	39	40	37	39	37	41	42	39	33	51	60	55	51	55	52	52	57	43	40	45	39	41	42	55	55	49	....	44.9
New Brunswick	Maximum	58	55	59	58	48	54	62	63	62	66	69	65	69	87	86	79	83	80	81	92	87	66	65	60	59	55	67	77	78	84	....	69.1
	Minimum	39	38	33	36	39	40	32	33	46	38	37	39	33	48	57	60	52	53	52	50	59	41	36	44	34	39	40	50	46	48	....	43.1
Newton	Maximum	62	52	60	63	51	57	60	63	66	66	70	66	71	84	85	80	83	81	87	93	82	63	64	59	63	52	66	76	81	83	....	69.6
	Minimum	37	32	29	29	34	35	26	27	31	39	35	31	34	51	59	54	60	42	54	56	50	35	30	40	28	35	36	57	45	51	....	40.1
N. Merchantville*	Maximum	60	57	61	65	51	51	64	65	66	72	71	68	74	91	90	83	86	85	91	90	77	64	67	63	63	62	70	79	82	86	....	71.8
	Minimum	42	40	34	39	41	42	34	35	37	44	39	40	42	52	61	59	55	57	54	58	57	44	42	46	37	44	42	53	52	49	....	45.7
Paterson§§	Maximum	63	58	63	61	45	58	63	65	63	69	73	60	69	85	88	78	83	82	81	91	74	60	62	61	64	63	70	79	75	86	....	69.7
	Minimum	32	38	34	35	38	39	34	35	37	38	37	39	33	42	58	62	54	52	57	53	56	42	35	44	37	41	40	45	47	55	....	43.0
Pemberton	Maximum	62	58	60	61	52	53	63	64	68	70	72	65	73	89	86	81	84	84	88	93	87	68	66	60	62	60	67	78	84	86	....	71.5
	Minimum	41	39	31	33	35	40	30	33	32	40	35	39	38	48	55	57	54	52	51	55	60	43	38	44	36	42	41	50	45	44	....	42.7
Phillipsburg	Maximum	56	53	59	56	46	53	60	63	65	67	70	64	67	88	82	77	80	80	84	88	75	60	63	59	61	60	56	78	80	84	....	67.8
	Minimum	34	36	33	33	39	37	30	30	32	42	35	39	38	50	50	57	55	51	53	55	55	42	32	45	32	39	41	49	44	45	....	41.8
Plainfield	Maximum	61	58	61	60	43	58	64	67	61	67	71	60	70	88	88	81	84	82	84	94	74	62	65	61	62	60	70	78	80	87	....	70.0
	Minimum	40	40	34	38	40	41	30	34	39	41	36	38	35	50	56	63	55	54	55	53	59	44	37	46	37	40	37	55	49	49	....	44.2
Pleasantville§§	Maximum	55	59	55	54	51	50	56	56	64	60	64	51	63	91	91	78	82	71	72	74	75	64	60	58	56	55	70	78	68	84	....	65.5
	Minimum	41	30	31	30	41	41	19	25	32	40	27	41	29	45	52	52	51	53	51	54	56	44	40	45	34	42	36	43	43	36	....	40.1
Ridgefield*	Maximum	60	55	61	59	45	55	60	64	62	67	71	58	63	85	88	79	76	81	78	85	73	60	60	61	62	58	69	77	73	85	....	67.7
	Minimum	42	38	35	35	38	41	34	35	36	37	38	38	35	51	60	61	55	52	56	52	60	42	37	44	36	40	40	55	49	51	....	44.1
Runyon	Maximum	58	58	60	62	52	52	62	65	67	68	77	67	69	89	87	82	85	83	87	93	72	66	65	66	64	59	70	78	79	86	...	70.9
	Minimum	32	25	30	34	35	40	21	31	25	25	26	36	35	37	64	50	60	58	62	49	40	38	24	40	31	29	33	49	38	44	....	38.0
Sandy Hook‡	Maximum	49	52	57	50	45	50	55	60	47	58	63	45	57	80	81	76	69	70	62	77	66	59	54	57	53	50	64	71	62	82	....	60.7
	Minimum	41	40	36	38	40	38	38	41	40	43	42	37	36	49	57	56	50	52	51	49	63	54	49	51	43	43	44	52	53	50	....	45.9
Somerville(near)	Maximum	62	53	60	60	48	53	62	65	63	67	70	62	69	86	85	80	82	79	85	91	84	59	65	59	63	63	67	77	78	84	....	69.4
	Minimum	40	38	37	34	37	39	30	30	38	38	37	55	35	48	54	60	53	50	54	54	56	40	35	43	30	36	39	53	48	54	....	43.2
Sussex	Maximum	60	53	61	67	60	58	61	64	65	68	70	66	72	83	86	80	83	80	87	90	84	66	63	59	66	63	69	78	80	83	....	70.8
	Minimum	37	35	30	28	37	36	26	25	28	34	31	31	34	53	51	54	51	45	55	54	51	38	26	43	28	35	39	51	38	40	....	38.8
Trenton*	Maximum	60	54	59	60	48	54	62	62	66	68	72	63	69	89	85	80	83	81	87	91	77	60	63	60	59	58	67	76	79	84	....	69.2
	Minimum	43	37	34	39	40	40	35	37	38	43	41	39	39	50	62	59	55	56	55	57	55	43	42	43	37	42	43	54	54	51	....	45.4
Trenton No. 2*	Maximum	60	55	61	62	48	55	62	64	66	68	72	66	71	89	86	82	84	82	88	92	75	62	65	60	62	62	67	77	81	85	....	70.3
	Minimum	41	38	34	37	40	41	33	34	34	43	37	40	40	50	58	60	55	53	54	54	53	42	37	45	34	41	40	51	49	48	...	43.8
Tuckerton	Maximum	55	58	59	58	49	50	52	55	57	60	63	63	65	90	88	83	73	70	71	76	75	65	60	60	56	53	65	77	76	85	....	65.6
	Minimum	40	48	33	35	42	43	33	33	35	40	38	37	38	49	58	58	51	50	50	55	58	44	44	45	35	42	38	48	48	44	....	43.7
New York, N. Y.*	Maximum	57	53	62	56	47	56	60	63	55	66	68	53	58	85	83	79	77	78	72	78	75	59	55	59	60	59	66	76	67	83	....	65 5
	Minimum	45	38	36	43	40	42	38	39	42	43	45	39	37	52	66	57	53	54	55	55	52	42	45	43	39	44	43	54	59	55	....	46.5
Philadelphia, Pa.*	Maximum	58	57	62	64	51	50	64	65	64	68	68	66	69	90	86	80	83	82	87	90	77	62	62	62	61	62	69	78	79	85	....	70.0
	Minimum	44	39	37	42	42	42	38	41	45	47	46	42	42	53	66	59	57	60	57	62	56	46	46	45	40	44	45	56	57	57	....	48.4

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

NJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. MAY, 1941. No. 5.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

May was the second month in succession with the average temperature well above normal, though it was not nearly so unseasonably warm as April. Monthly maxima occurred generally on the 22d and were 95° or higher at most stations. Some stations in the southeast recorded their highest on the 27th which was also a hot day. There were several cool periods, and while there were no general killing frosts, severe frosts occurred in the cranberry bogs on the 1st, 2d, 3d, 4th, 11th, 12th, 13th, 14th, 15th, 18th, 19th and 25th. Warnings were distributed and, due to protective measures by the growers, the crop suffered little damage. It is interesting that on some of these mornings, bog temperatures as low as 22° were reported.

This was the sixth consecutive month with sub-normal precipitation. It was the fourth month with a decided deficiency and the driest of the four. Rainfall for February was 70%, March 74%, April 64%, and for May 51% of normal. The spring season, March-May, with 65% of the normal amount, was one of the three driest of record since 1885. By the close of May, drought conditions were decidedly in evidence; pastures and meadows were shortened and winter grains damaged considerably. Fears were also entertained as to the sufficiency of water supplies for domestic and factory use. At the time of this writing copious rains in June have allayed these fears. Some damage was caused by high winds to trees and buildings in Trenton and Mercer County on May 23d.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 62.6°, which was 2.2° above normal. The highest temperature was 99° at Chatsworth on the 22d, and the lowest, 23°, at Layton on the 3d. The greatest daily range of temperature was 50° at Layton on the 15th. The highest monthly mean temperature was 66.0° at Elizabeth, and the lowest, 58.8° at Layton.

The temperature departure from the normal for the year, 1941, to date, for the State is +0.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 53 stations, was 1.86 inches, which was 1.82 inches below normal. The greatest monthly precipitation was 3.21 inches at Hightstown, and the least, 0.93 inch at Tuckerton. The greatest amount of precipitation in any 24 consecutive hours was 1.43 inches at Hightstown on the 28th. The average for the Highlands was 2.06 inches, for the Red Sandstone Plain 1.95 inches, and for the Southern Interior 1.84 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −5.84 inches; Red Sandstone Plain, −5.67 inches; Southern Interior, −4.48 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 2, 3, 8, 9, 17, 18, 22, 23, 24, 27, 28. HAIL: 24, 28.
DENSE FOG: 2, 6, 14. SLEET: 2, 9.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.95	30.31	25	29.50	17	13.4	41	ne.	2	67	54	66	77
Long Branch	29 93	30.26	25	29.45	17	12.6	47	nw.	24	64	39	53	79
Ridgefield	29.92	30.26	25	29.49	17	.. ..	....	.. ..	....	....	....	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	29.94	30.28	25	29 51	17	8.7	34	nw.	22	62	37	51	80

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	......	......	......	......
1886	58.8	87	36	6.07	0	......	......	......	......
1887	63.3	94	35	1.37	0	6	......	......	......
1888	58.6	90	26	4.92	0	16	......	......	......
1889	62.3	94	32	4.09	0	12	......	......	......
1890	60.7	87	33	4.24	0	12	......	......	......
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	**7.72**	0	13	11	9	11
1895	60.9	**102**	28	2.85	0	8	12	12	7
1896	**65.3**	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	**21**	**0.59**	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	**54.0**	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	21	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	4.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
1938	59.2	89	26	3.52	0	12	10	9	12
1939	63.3	99	25	1.43	0	6	16	8	7
1940	59.7	92	28	6.29	0	15	8	9	14
1941	62.6	99	23	1.86	0	9	17	9	5
Period	60.4	102	21	3.68	0	11	13	9	9

Climatological Data for May, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	62.8	+4.7	93	27	39	3	32	1.47	−1.58	0.74	0	11	13	14	4	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	58.9ᵃ	....	92	27	37	3	36	1.28	−1.58	0.33	0	9	12	14	5	s.	U. S. Coast Guard.
Belleplain	Cape May	49	47	62.8	+2.0	93	28	30	13†	45	1.61	−1.91	0.71	0	7	17	14	0	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	63.4	+2.6	97	22	30	3	43	1.24	−2.30	0.49	0	7	17	7	7	....	Miss C. S. Hixson.
Boonton	Morris	280	§51	60.1	+1.3	92	22	32	13	41	1.78	−1.92	0.53	0	9	21	3	7	ne.	John Kline.
Bridgeton	Cumberland	30	58	65.4	+2.0	97	22	35	3	37	1.65	−1.62	0.74	0	8	27	4	0	nw.	Bennett K. Matlack
Burlington	Burlington	12	§55	64.3	+1.5	96	22	36	4	41	1.61	−1.90	0.64	0	9	22	5	4	n.	Public Service G. & E. Co.
Canoe Brook‡‡	Essex	180	11	59.4	+0.7	94	22	27	3	46	1.67	−1.87	0.68	0	10	23	3	5	ne.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	49	59.6	+1.9	91	22	26	14	49	2.41	−1.47	0.82	0	10	9	13	9	w.	Newark Water Dept.
Chatham	Morris	185	37	....	....	....	....	....	....	....	1.48	−2.44	0.57	0	9	14	16	1	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	64.2	....	99	22	30	4	45	1.60	....	0.52	0	7	14	16	1	s.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	63.8	+2.2	95	22	31	4	41	1.87	−1.17	0.64	0	5	11	4	16	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	1.04	−2.79	0.52	0	6	....	....	....	....	L. S. Depue.
Dover	Morris	600	57	60.8	+2.1	95	22	33	3†	36	1.90	−1.73	1.09	0	12	6	20	5	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	1.23	−2.98	0.30	0	9	25	5	1	....	Chas. E. Hall.
Elizabeth	Union	34	62	66.0	+4.2	98	22	33	4	50	1.44	−2.20	0.46	0	10	20	8	3	sw.	Union County Park Comm
Flemington	Hunterdon	140	§55	63.6	+2.2	97	22	34	4	41	3.12	−0.40	0.75	0	11	27	2	2	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	62.9	....	96	22	32	3	38	2.58	−1.14	0.92	0	11	23	7	1	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	64.6	....	97	22	33	3†	42	2.55	−1.06	0.60	0	11	22	8	1	w.	J. G. Wilson.
Hightstown	Mercer	110	48	62.0	+1.1	94	22	32	3	40	3.21	−0.40	1.43	0	11	17	9	5	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	63.3	+1.5	96	22	31	4†	44	1.63	−1.71	0.38	0	11	13	16	2	w.	Edward Entwistle.
Jersey City	Hudson	81	43	65.4	+3.7	92	22	38	3	35	1.42	−2.03	0.32	0	6	13	12	6	nw.	Jersey Journal.
Lakewood	Ocean	54	37	63.2	+2.8	96	22	33	13	41	2.73	−1.05	1.15	0	8	13	14	4	sw.	R. W. Holman.
Lambertville	Hunterdon	75	54	63.2	+2.2	95	22	32	3	41	2.24	−1.42	0.71	0	11	19	9	3	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	40	58.8	+1.1	95	22	23	3	50	1.79	−1.35	0.59	0	7	12	6	13	w.	A. M. Depue.
Little Falls	Passaic	157	38	62 3	+2.0	93	22	33	3	42	2.42	−1.52	0.46	0	12	15	9	7	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	61.1	+2.6	92	27	36	4	38	2.11	−1.74	0.84	0	10	13	13	5	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	59.1	....	93	22	29	13	45	1.77	....	0.60	0	8	22	7	2	sw.	Arthur Barkman.
Millville	Cumberland	....	....	....	....	....	....	....	....	....	0.99	....	0.25	0	10	21	7	3	....	Paul Ritchie.
Moorestown	Burlington	62	78	63.2	+1.9	95	22	34	4	38	1.22	−2.30	0.47	0	9	10	15	6	n.	Japanese Beetle Laboratory
Newark	Essex	10	42	63.0	+1.8	95	22	37	4	37	0.98	−2.89	0.25	0	9	8	12	11	nw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	63.0	+2.5	95	22	35	3†	38	2.34	−1.32	0.57	0	11	13	12	6	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	....	2.45	−0.99	0.70	0	7	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	58	59.9	+0.4	90	21†	29	3	39	1.31	−2.30	0.35	0	12	8	15	8	nw.	Irving J. Kern.
N. Merchantville	Camden	63	7	65.4	....	96	22	37	3	35	1.94	....	0.68	0	10	16	10	5	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	2.03	....	0.56	0	10	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	70	63.3	+1.8	94	22	36	3	38	2.40	−1.37	1.09	0	8	24	2	5	nw.	J. W. Cook.
Pemberton	Burlington	55	11	65.0	+2.0	98	22	35	4	41	1.73	−1.69	0.59	0	10	21	6	4	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	61.4	+0.3	92	22	33	3†	39	2.38	−0.93	0.58	0	8	14	12	5	....	Town Engineer.
Plainfield	Union	120	53	63.9	+3.7	96	22	36	4	39	2.19	−1.54	0.70	0	13	12	12	7	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§43	62.2	+3.2	95	27	29	13	47	1.02	−2.16	0.27	0	9	25	4	2	s.	N. J. Water Policy Comm
Rahway	Union	20	....	....	....	....	....	....	....	....	1.74	....	0.70	0	6	19	10	2	....	Norman C. Wittwer.
Ridgefield	Bergen	80	24	62 3	+2.4	92	22	36	3	37	2.04	−1.43	1.16	0	6	10	17	4	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	60.0	+0.5	95	22	25	4	49	1.85	−1.91	0.53	0	10	21	9	1	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	61.4	+3.0	92	22	41	2†	30	2.39	−1.33	0.71	0	10	9	13	9	sw.	U. S. Weather Bureau.
Somerville(near)	Somerset	385	58	62.4	+1.9	94	22	30	3	38	1.67	−1.87	0.36	0	9	20	7	4	sw.	Richard H. Rogers.
Sussex	Sussex	450	46	60.4	+0.7	95	22	26	3	48	1.87	−1.56	0.35	0	10	21	3	7	nw.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	1.55	−2.80	0.35	0	10	....	....	....	....	Robt. F, Snyder.
Trenton	Mercer	56	69	64.4	+3.3	95	22	37	3	33	1.39	−1.69	0.63	0	10	7	14	10	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	64.3	....	96	22	35	3	36	1.88	....	0.69	0	11	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	63.3	+3.4	97	27	33	3	40	0.93	−2.51	0.28	0	8	21	6	4	e.	John H. Brown.
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	1.20	−2.00	0.51	0	8	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	1.89	....	0.68	0	8	21	5	5	sw.	Town Engineer.
Woodbury	Gloucester	50	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	3.20	−0.26	0.78	0	7	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Charles Bishop.
New York, N. Y.	....	10	76	63.0	+2.4	91	22	38	3	31	1.52	−1.72	0.38	0	9	10	12	9	nw.	U. S. Weather Bureau
Philadelphia, Pa	....	26	70	66.3	+3.4	94	22	39	3	31	0.87	−2.39	0.22	0	9	11	16	4	nw.	U. S. Weather Bureau.
For the State	....	....	....	62.6	+2.2	99	22	23	3	50	1.86	−1.82	1.43	0	9	17	9	5	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-7-16-41-925

Daily Precipitation for May, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.	.04	.03		.01			.09	.20	.01					.02	.03	T.						.74				.29		T.	.01	T.	1.47
Barnegat City[4]	Coast		T.			.17			.25	.13	.03					T.	.07	.21					.33	.04				.05				T.	1.28
Belleplain	Tuckahoe			.07					.40		.09						.16							.15	.71						.03		1.61
Belvidere	Delaware					.03			.18		.06						.20	.18					.10					.49					1.24
Boonton[3]	Passaic			T.		.02	.18		.15	.07	.53						T.		.12					.44	.07				.20	T.			1.78
Bridgeton	Delaware			.13		T.			.74	.06							.20	.04						.22	.17						.09	T.	1.65
Burlington	...do			.14		.05			.64		.05						.15	.04	T.					.40	T.	.09		.05	T.				1.61
Canoe Brook[3]	Passaic			.07		.03	.11		.68	.03	.09								.15					.26	T.				.15		.10		1.67
Cape May[4]	Coast																																
Charlotteburg	Passaic			.05		.30			.21	.36	.02						.04	.03							.82				.54	.04			2.41
Chatham[3]	..do			.06		.03	.10		.57	.04	.12						T.		.15					.22					.19	T.			1.48
Chatsworth	Delaware			.07		.03			.45										.52					.15	.16				.22				1.60
Clayton	Delaware								.45		.18						.08		.52										.64				1.87
Culvers Lake	...do					.08			.13		.12						T.	.04						.52					.15				1.04
Dover	Passaic		.03	T.		.14			.14	1.09	.03						.03	.19					.08	.04				.06	.06			.01	1.90
Egg Harbor City[2]	Mullica		.06			.03			.21	.14	T.					.01	.11	.19						.18				.30				T.	1.23
Elizabeth	Coast		.01	.02		.20			.35	T.	.12							.01	.14	T.			.04	.09	T				46				1.44
Flemington	Raritan			.05		.09			.32	.33	.06						.75	.11	.10	T.				.44				.12	.75				3.12
Freehold	.do			.02		.14			.35	.02	.19						.11	.01	.08				.52	.22					.92				2.58
Hammonton	Mullica	T.		.12		.04	.01		.60		.20						.13		.58					T.	.15			.50	.20		.02		2.55
Hightstown	Raritan		T.	.10		.09			.50	.04	.08						.13	.20	.02	T.				.36	T.			.26	1.43		T.		3.21
Indian Mills	Mullica	T.		.12		.07			.38	.09	.10						.07	.31	.01					.13	.24			.11			T.		1.63
Jersey City	Coast		T.	T.		.32			.30	.16	.26						T.	T.	.15	T.			T.	T.	T				.23				1.42
Lakewood	Metedeconk			.06		.16			1.15		.35						.10	T.	.05					.20				.66					2.73
Lambertville	Delaware			.04		.06			.34	T.	.11						.12	.30	.04					.71	.45			.05	.02				2.24
Layton(near)	...do					.19			.25	.04	.12						T.	.11					T.	.59					.49				1.79
Little Falls[3]	Passaic			.02		.04	.25		.46	.10	.46						.01	T.	.13					.07	.14				.35	.39			2.42
Long Branch[2]‡	Coast		.27			.17			.84	.08	.02						T.	.15		T.			.08	.04				.44				.02	2.11
Long Valley[3]	Raritan		T.			.10		.20	T.	.25							.05	.40	T.				.15	.02				.60					1.77
Millville[2]‡	Maurice								.25	.06						.02	.09	.15					.09	.17			.08				.02	.06	0.99
Moorestown[3]	Delaware			.08		T.	.02		.47		.11						.12		.15					.08	.17				.02				1.22
Newark[2]	Coast		.01			.22			.25	.12	T.					T.		.14		T.			T.	.09				.05	.09			.01	0.98
New Brunswick	Raritan			.07		.13			.41	.01	.11						.08	.03	.29		T.			.11	.57				.53				2.34
New Milford[2]‡	Hackensack					.38			.48	.18								.09						.15					.47			.70	2.45
Newton	Delaware			.01		.10			.21	.05	.06						.03	.07	.02				.02	.35				.04	.35				1.31
N. Merchantville[2]‡	Delaware		.03			.03			.42	.06	.03					T.	.06	.17					.08	.38				.68		T.	T.	T	1.94
Orange[2]‡	Passaic		.03			.26			.50	.56								.18	.02				.10					.09	.26				2.03
Paterson[3]	Passaic		T.			.28			.50	.28	T.						.01	.10						.11					1.09			.03	2.40
Pemberton	Delaware			.11		.01	.02		.42		.09						.12	T.	.08					.59	.08				.21				1.73
Phillipsburg	....do					T			.25	.35	.04						.15	.31		T.			.55	.15				.58				T.	2.38
Plainfield	Raritan	.01	.02	.11		.14			.70	.06	.09						.15	.29		T.			.03	.02				.44	.13				2.19
Pleasantville[3]	Coast		T.	.12			.01		.11	.05	.11						.08	T.	.02						.25				.27		T.		1.02
Rahway[3]‡	Rahway			T.			.13		.27	T.	.12							T.	.29					.23	T.				.70	T.			1.74
Ridgefield[2]	Hackensack	T.	T.						.35	.08	.10						T.	05					.30	T.				T.	1.16			T.	2.04
Runyon	Coast			.03		.14			.29		.14						.03	.03	.31					.11	.24				.53				1.85
Sandy Hook[2]‡	Coast		.28			.20			.71	.08	.01							.25		T.			.25	.02				.58				.01	2.39
Somerville(near)	Raritan					.09			.25	.34	.07						.04	.31	.15					.06				.36					1.67
Sussex	Hudson			.02		.22			.19	.18	.10						.02	.22						.26					.31	.35			1.87
Toms River	Coast		.15			.10			.32	.35							.08	.03	.09					.32				.05	.06				1.55
Trenton[1]‡	Delaware		.17			.06		T.	.63	.04	T.					.02	.07	.08		T.			.30	.01				.01		T.		T.	1.39
Trenton No. 2[2]	Delaware		.14			.07			.69	.04	.03					.02	.05	.19		T.			.61	.01				.03				T.	1.88
Tuckerton	Coast			.06		.04			.28		.08						.04		.11					.14	.18								0.93
Vineland[3]	Maurice								.51	.02	.09						.08		.07					.24	.13				.06				1.20
Westfield[3]‡	Rahway			.05		T.	.06	.08		.52	.08								.34					.08					.68				1.89
Woodbury	Delaware																																
Woodcliff Lake[2]‡	Hackensack					.32			.69	.04								.05						.78					.72			.60	3.20
Woodstown	Delaware																																
New York, N. Y[1]‡	Coast		.05			.35			.38	.26	T.						T.	.10		T.			T.	.07				.04	.26			.01	1.52
Phila., Pa[1]‡	Delaware		.08			T.		T.	.22	.09						.05	.01	.15					.06	T.				.20		.01	T.	T.	0.87

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.192	.166	192	.142	.030	.160	.152	.126	.058	.176	.176	.144	.080	.224	.192	.064	.054	.288	.144	.208	.192	.164	.192	.256	.160	.224	.086	.128	.356	.256	.102	5.084
	Wind movement	10	2	11	26	4	1	20	7	12	22	12	14	10	3	8	2	26	21	8	5	7	6	14	47	2	16	8	8	6	6	4	348
Pleasantville[3]	Evaporation	.128	184	.128	.288	.106	.160	.174	.146	.174	.256	.320	.256	.240	.256	.208	.160	.212	.416	.224	.288	.272	.304	.346	.224	.320	.224	.334	.272	.320	.272	.208	7.420
	Wind movement	41	62	61	88	*	52	90	26	92	83	43	34	30	35	33	32	114	19	47	40	49	53	73	115	13	55	50	20	62	40	53	1610
Runyon	Evaporation	.160	.170	.210	.160	.140	.120	.120	.170	.120	.140	.180	.180	.160	.120	.120	.150	.150	.190	.120	.240	.250	.260	.230	.300	.180	.180	.180	.280	.180	.210	.210	5.580
	Wind movement	25	35	40	18	33	16	16	28	27	32	24	8	10	12	8	12	14	45	20	33	22	22	28	34	39	30	70	31	34	12	14	792

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for May, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	63	51	53	72	70	65	62	68	70	67	69	60	64	61	74	80	84	73	80	72	67	83	92	72	71	77	93	91	92	66	72	72.1
	Minimum	45	42	39	46	54	51	54	54	55	54	43	48	52	47	53	57	57	50	54	61	60	60	61	53	48	56	63	66	60	58	57	53.6
Barnegat City‡	Maximum	67	54	55	72	68	65	68	65	67	67	66	61	60	64	69	65	82	70	80	72	67	79	86	74	70	81	92	74	89	66	68	70.4
	Minimum	42	34	37	40	49	47	49	48	....	48	40	45	43	42	49	53	51	42	47	52	52	48	51	52	42	51	56	54	57	52	46	47.4ª
Belleplain	Maximum	81	70	66	71	79	74	76	78	77	63	66	66	68	73	76	81	81	80	77	84	84	92	89	89	69	77	92	93	91	73	74	77.7
	Miuimum	45	39	34	31	53	43	52	59	48	51	39	33	30	30	45	52	57	45	32	48	51	60	64	53	40	53	63	62	69	54	50	47.9
Belvidere	Maximum	79	70	69	77	72	81	84	80	77	65	70	70	73	76	82	77	78	72	80	89	92	97	91	72	73	84	90	94	83	80	80	79.3
	Minimum	49	41	30	34	52	51	53	61	45	51	37	34	34	36	39	56	48	45	37	47	55	61	63	53	43	45	53	62	66	50	44	47.6
Boonton§§	Maximum	73	66	63	73	63	76	78	79	68	63	64	63	68	71	77	75	78	68	73	85	86	92	87	67	70	79	88	84	81	75	76	74.5
	Minimum	44	35	37	33	41	39	44	51	49	52	42	35	32	33	36	42	56	49	37	46	50	55	63	55	48	47	55	62	59	47	44	45.6
Bridgeton	Maximum	71	72	67	74	86	80	82	79	73	64	67	69	71	75	76	80	82	70	79	85	89	97	91	85	72	81	95	97	93	80	79	79.4
	Minimum	50	47	35	37	51	49	54	62	51	52	42	41	39	39	49	54	61	48	42	53	55	62	65	55	44	51	62	65	68	54	52	51.3
Burlington	Maximum	87	71	65	73	69	82	85	84	69	65	68	66	71	70	69	80	81	73	80	88	90	96	90	77	72	79	94	95	82	76	74	78.1
	Minimum	46	40	38	36	57	45	52	63	56	53	44	41	37	38	38	39	59	45	41	59	55	61	67	56	48	52	63	64	62	58	53	50.5
Canoe Brook§§	Maximum	75	70	64	74	65	78	77	79	69	63	66	65	73	74	78	75	81	67	76	80	86	94	87	70	71	80	89	87	89	81	77	76.1
	Minimum	39	35	27	28	50	37	50	61	48	52	31	31	28	32	32	50	52	46	32	42	47	54	60	52	36	40	43	60	56	41	35	42.8
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	82	66	63	72	72	76	78	79	76	60	64	64	67	70	77	74	77	75	72	85	88	91	88	79	78	81	84	89	81	74	73	76.0
	Minimum	39	31	30	29	49	34	45	58	46	48	36	31	30	26	28	54	49	45	35	40	47	58	59	45	42	48	60	58	60	39	38	43.1
Chatsworth	Maximum	83	72	69	74	78	82	86	73	74	65	69	66	70	74	80	78	84	75	79	86	92	99	90	82	73	82	95	94	92	78	81	79.8
	Minimum	44	39	34	30	55	42	50	58	50	53	40	33	31	32	37	54	55	47	35	65	50	54	64	55	43	46	70	63	69	53	54	48.5
Clayton	Maximum	81	72	69	72	83	80	87	78	75	65	67	68	70	74	76	79	82	76	77	84	87	95	91	88	70	78	92	91	91	78	78	79.2
	Minimum	46	45	32	31	53	44	49	60	49	51	40	36	33	35	44	52	59	46	40	50	50	55	60	53	43	45	56	68	66	54	51	48.3
Dover	Maximum	74	67	62	72	62	75	80	76	68	63	63	62	66	70	75	71	78	67	74	83	85	95	85	78	74	79	86	89	84	74	75	74.6
	Minimum	44	37	33	36	52	42	50	60	49	49	39	35	33	35	39	56	52	41	41	49	51	62	63	50	44	49	59	62	62	42	40	47.0
Elizabeth	Maximum	81	80	68	75	72	77	80	81	85	80	73	69	73	80	85	84	83	76	81	92	92	98	96	75	75	92	95	95	92	89	81	82.4
	Minimum	47	40	34	33	50	43	55	61	52	47	52	47	45	47	47	68	55	47	38	47	53	57	62	53	38	42	56	61	58	50	48	49.5
Flemington	Maximum	75	65	65	75	74	81	81	81	72	64	68	68	68	75	80	75	80	73	79	89	91	97	92	70	74	84	92	95	85	73	80	78.1
	Minimum	49	37	35	34	55	48	50	61	53	52	42	42	37	36	41	56	59	47	39	50	53	60	64	54	45	50	56	63	62	51	46	49.1
Freehold	Maximum	70	69	62	72	68	75	84	88	73	64	65	65	69	73	79	75	78	71	78	85	89	96	89	68	70	81	92	86	84	82	76	76.6
	Minimum	45	38	32	36	55	44	51	59	54	50	39	38	37	37	42	54	57	46	43	51	52	58	65	52	43	49	63	64	62	58	50	49.2
Hammonton	Maximum	82	73	67	74	82	84	84	78	77	67	68	67	72	76	78	80	83	70	79	87	89	97	92	86	72	80	95	92	92	79	80	80.1
	Minimum	46	38	33	33	56	44	52	60	50	54	40	35	34	34	42	53	60	46	40	53	53	56	66	54	41	50	63	64	69	55	51	49.2
Hightstown	Maximum	77	69	63	71	66	79	83	78	66	63	66	64	70	73	78	74	78	70	77	85	87	94	88	70	70	81	91	91	85	76	79	76.2
	Minimum	46	38	32	34	54	41	48	60	52	51	37	36	33	35	38	54	58	45	41	50	53	58	63	51	41	49	60	62	61	53	46	47.7
Indian Mills(near)	Maximum	81	71	64	72	76	83	83	76	67	65	67	67	72	75	78	80	83	70	80	86	88	96	90	70	71	79	93	94	93	79	79	78.3
	Minimum	46	37	33	31	56	43	52	61	52	53	41	34	31	32	39	55	59	47	36	53	51	54	65	55	40	48	62	63	67	54	48	48.3
Jersey City	Maximum	85	70	63	76	64	71	71	75	73	66	69	69	68	74	80	73	80	73	75	83	82	92	90	80	72	82	90	85	78	78	76	76.2
	Minimum	50	44	48	45	58	52	56	59	57	54	47	49	43	45	55	59	61	51	53	58	57	68	68	58	51	58	65	62	62	57	54	54.6
Lakewood	Maximum	71	74	63	76	70	75	80	78	70	67	70	65	67	73	81	74	82	74	78	83	90	96	88	82	72	82	92	86	88	76	80	77.5
	Minimum	45	41	34	35	57	44	51	59	52	52	40	35	33	36	41	54	55	47	39	51	54	60	65	53	43	48	60	64	61	52	54	48.9
Lambertville	Maximum	83	70	66	73	71	79	83	79	78	64	67	65	70	74	78	77	79	71	78	86	88	95	94	82	71	80	92	93	91	78	79	78.5
	Minimum	44	40	32	33	54	42	50	62	51	50	36	34	33	35	38	56	59	47	37	50	55	59	64	55	41	47	56	62	66	55	43	47.9
Layton(near)	Maximum	75	65	65	73	66	77	80	77	69	61	65	63	67	72	79	75	78	68	73	87	89	95	89	68	72	83	85	89	78	76	75	75.3
	Minimum	41	36	23	27	49	39	53	60	45	49	30	26	25	28	29	55	53	46	28	39	47	53	57	49	39	40	48	60	62	42	35	42.4
Little Falls§§	Maximum	73	69	75	75	65	77	77	81	69	65	67	65	71	74	80	76	78	71	74	88	90	93	90	69	72	82	87	82	85	78	78	76.6
	Minimum	45	40	33	35	53	40	51	61	51	51	42	37	35	36	38	58	56	48	38	46	51	60	65	55	42	47	57	62	62	48	44	48.0
Long Branch*	Maximum	55	69	59	74	63	68	69	75	70	64	68	64	64	70	77	70	80	70	77	78	77	91	89	71	71	82	92	70	86	72	70	72.7
	Minimum	45	40	39	36	54	46	52	55	54	43	43	40	37	39	44	55	52	48	45	50	55	62	63	50	45	52	65	59	60	52	53	49.5
Long Valley§§	Maximum	75	68	60	74	65	77	80	77	75	63	60	63	68	74	78	79	79	70	76	85	81	93	86	69	71	81	88	91	82	75	78	75.5
	Minimum	42	33	33	30	38	38	44	51	47	49	36	30	29	30	33	45	48	43	34	45	48	56	59	49	38	41	49	60	60	45	40	42.7
Moorestown	Maximum	79	70	63	72	68	80	82	77	65	64	66	65	67	74	77	78	80	70	78	86	88	95	89	70	71	78	93	93	81	77	76	76.5
	Minimum	47	38	35	34	52	44	51	64	56	51	44	38	36	36	42	55	51	46	41	55	66	57	65	54	50	50	63	65	60	55	47	49.9
Newark*	Maximum	67	68	62	74	64	72	74	77	68	65	65	65	68	72	79	74	81	71	76	84	88	95	88	71	73	83	89	74	83	77	75	74.9
	Minimum	47	41	39	37	55	46	54	68	55	53	45	45	42	44	48	58	54	50	47	54	55	62	66	52	47	48	59	62	59	52	54	51.2
New Brunswick	Maximum	82	68	62	72	68	77	82	78	76	64	65	65	69	73	78	74	80	72	78	85	87	95	87	85	70	80	90	88	85	76	77	77.0
	Minimum	47	37	35	35	53	44	50	61	52	53	40	37	35	36	46	55	61	46	40	51	53	61	61	55	44	50	58	61	58	52	49	48.9
Newton	Maximum	75	65	64	73	68	77	80	76	62	61	64	64	68	73	79	74	77	68	70	86	90	90	89	62	70	82	81	88	82	83	75	74.7
	Minimum	44	40	29	34	50	41	51	57	47	46	35	33	33	36	40	52	55	44	40	47	51	59	59	49	38	43	57	60	43	46	40	45.1
N. Merchantville*	Maximum	79	71	66	74	77	82	84	82	67	66	69	67	70	76	78	80	82	72	81	87	90	96	90	70	73	81	94	95	90	79	77	78.9
	Minimum	49	40	37	39	54	48	53	62	53	50	46	42	40	42	48	56	54	50	47	58	57	61	62	55	51	53	64	67	61	57	52	51.9
Paterson§§	Maximum	75	70	67	75	64	77	78	82	70	66	69	65	72	76	80	76	81	71	75	88	90	94	92	70	72	82	87	83	83	80	77	77.0
	Minimum	50	40	36	38	46	44	50	58	53	53	42	41	38	39	44	52	57	48	44	50	54	60	65	55	48	51	58	61	61	52	49	49.6
Pemberton	Maximum	83	71	65	73	71	83	84	80	76	64	69	66	71	75	80	78	82	76	81	86	89	98	96	88	72	79	94	94	93	78	80	79.8
	Minimum	46	39	36	35	56	44	53	61	55	53	39	39	36	36	40	55	59	47	40	57	54	58	65	55	46	50	63	64	71	56	47	50.2
Phillipsburg	Maximum	75	66	66	72	65	79	80	76	65	62	65	64	69	71	75	72	74	70	75	85	89	92	85	68	70	80	86	90	80	77	75	74.8
	Minimum	48	39	33	33	51	43	52	61	50	51	40	34	33	36	37	55	54	47	38	50	54	68	62	55	43	48	52	62	66	50	44	48.0
Plainfield	Maximum	74	71	66	74	64	79	80	80	72	65	67	66	71	75	81	73	81	71	77	87	89	96	89	76	72	83	90	83	86	77	79	77.2
	Minimum	48	41	37	36	55	46	53	62	54	54	41	40	37	39	42	57	61	49	39	49	55	62	66	58	49	49	57	66	61	53	52	50.6
Pleasantville§§	Maximum	69	61	58	74	83	70	74	78	72	68	69	66	71	67	78	80	85	72	79	80	75	90	92	73	72	80	95	93	94	71	80	76.4
	Minimum	46	42	34	33	54	44	53	54	49	52	33	34	29	32	43	54	57	45	32	49	56	57	68	54	41	48	60	61	69	56	49	48.0
Ridgefield*	Maximum	66	68	63	76	62	74	72	76	67	66	66	65	69	72	79	79	80	74	75	84	81	92	89	69	71	82	85	77	80	77	74	74.5
	Minimum	48	44	36	40	53	44	55	60	53	53	41	41	38	40	44	57	56	47	44	47	52	62	66	49	46	53	64	58	60	51	50	50.1
Runyon	Maximum	78	70	64	69	74	81	83	89	76	70	79	68	68	78	77	81	80	73	79	82	86	95	88	78	74	78	92	86	84	78	76	78.5
	Minimum	46	36	33	25	51	37	35	60	46	42	37	29	27	29	30	32	36	42	30	40	48	54	62	60	46	36	52	52	50	46	36	41.5
Sandy Hook‡	Maximum	67	57	59	67	60	65	68	71	67	62	65	61	63	68	76	68	77	68	71	78	78	92	84	69	68	77	88	67	78	73	69	70.4
	Minimum	46	41	41	43	53	51	53	51	51	51	48	49	47	49	52	57	54	51	52	56	57	62	62	54	52	56	62	56	59	56	56	52.5
Somerville(near)	Maximum	76	66	65	71	65	78	83	78	69	67	65	65	69	69	73	75	77	70	76	85	88	94	89	69	70	80	89	90	83	77	79	75.8
	Minimum	48	39	30	38	53	47	50	60	52	52	38	39	39	36	49	55	60	42	44	53	57	63	63	52	42	49	61	61	61	48	41	49.1
Sussex	Maximum	80	69	65	75	70	78	80	77	72	62	64	62	69	72	80	75	79	69	74	88	90	95	90	69	72	85	85	91	82	77	77	76.5
	Minimum	43	39	26	30	50	40	59	60	48	50	38	30	29	31	32	56	53	48	34	45	49	56	60	52	38	46	51	62	62	44	39	45.2
Trenton*	Maximum	76	68	63	73	70	79	82	79	65	62	66	64	67	72	76	77	78	70	78	85	88	95	87	68	71	81	92	94	86	76	77	76.3
	Minimum	47	38	37	40	55	51	54	62	54	49	43	45	41	43	50	56	55	49	49	60	60	63	64	53	48	53	63	67	62	59	54	52.4
Trenton No. 2*	Maximum	79	70	66	73	68	80	84	80	66	62	68	67	70	74	79	78	80	72	79	86	88	96	89	71	72	82	92	95	87	78	79	77.7
	Minimum	48	40	35	38	57	47	53	62	53	53	42	40	38	38	45	55	55	47	45	55	59	61	65	51	45	51	62	64	69	56	49	50.9
Tuckerton	Maximum	73	65	60	75	77	70	73	77	72	70	70	68	69	68	80	73	87	77	80	78	77	92	96	78	75	83	97	92	92	72	75	77.1
	Minimum	47	42	33	40	55	46	53	56	53	52	41	38	37	34	45	55	58	45	40	55	56	58	68	52	42	50	60	58	66	48	50	49.5
New York, N. Y.*	Maximum	66	65	60	72	63	72	69	76	66	62	65	62	67	71	77	71	76	70	74	84	81	91	86	67	70	78	87	76	79	76	74	72.7
	Minimum	47	42	38	41	54	52	55	59	53	51	46	49	49	49	54	57	53	49	52	57	57	66	63	53	51	54	65	61	61	58	58	53.4
Philadelphia, Pa.*	Maximum	79	71	65	72	80	79	81	80	64	64	66	65	70	73	75	80	78	70	79	87	88	94	88	69	70	80	91	92	90	78	75	77.2
	Minimum	52	40	39	46	59	56	55	63	54	52	48	51	46	49	56	57	55	51	55	64	61	66	64	56	52	54	65	72	62	59	58	55.4

ª, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. JUNE, 1941. No. 6.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

The first half of the month was comparatively cool; on only one day, the 8th, did the temperature exceed 85° at Trenton. The coolest mornings of the month were generally the 3d and 11th. The last half of the month averaged much above normal with temperature reaching 90° or higher on seven days. The 22d was the hottest day at most stations with readings of 95° at several stations, and an extreme of 98° at Belvidere.

This was the first month since November, 1940, with more than normal precipitation. The average for the State was 5.09 inches, or 133 percent of the normal amount. The droughty conditions which developed in May were relieved by good general showers on the 1st. These were followed by heavy rains on the 4-5th. The 13th to 18th was a wet period generally with heavy rains on the 13th. There were also good showers on the 30th. The largest monthly totals were recorded in the southern interior and central parts of the State, several stations receiving more than six inches. Crops improved after the first few days and continued to flourish during the month. Copious rains have also been received during the first part of July. There were several severe thunderstorms, particularly on the 15th, 17th, and 18th; on the 15th hail did some damage to blueberries and cranberries; and on the 17th and 18th, numerous buildings were struck by lightning in the Trenton area.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 69.4°, which was 0.4° above normal. The highest temperature was 98° at Belvidere and Chatsworth on the 22d and 30th, respectively, and the lowest, 37°, at Charlotteburg on the 11th and 12th. The greatest daily range of temperature was 43° at two stations on the 7th. The highest monthly mean temperature was 72.2° at Jersey City, and the lowest, 66.0° at Barnegat City.

The temperature departure from the normal for the year, 1941, to date, for the State is +0.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 55 stations, was 5.09 inches, which was 1.26 inches above normal. The greatest monthly precipitation was 8.25 inches at Trenton No. 2, and the least, 2.99 inches at Barnegat City. The greatest amount of precipitation in any 24 consecutive hours was 3.64 inches at Trenton No. 2 on the 17th. The average for the Highlands was 4.51 inches, for the Red Sandstone Plain 4.97 inches, and for the Southern Interior 5.65 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −4.12 inches; Red Sandstone Plain, −2.82 inches; Southern Interior, −1.22 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 4, 14, 15, 16, 17, 18, 19, 23, 29, 30. HAIL: 15, 16, 17.
DENSE FOG: 14, 15, 19 ,25, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.97	30.23	26	29.48	5	14.7	36	nw.	5	78	69	76	65
Long Branch	29 96	30.21	26	29.49	5	12.2	37	ne.	5	78	54	66	68
Ridgefield	29.95	30.21	26	29.53	5	....	....	....	....	....	....	....	....
Sandy Hook	....	....	....	....	....	....	....	....	....	....	....	....	....
Trenton	29.96	30.22	26	29 51	5	8.3	30	sw.	17	76	51	64	67

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	**1.57**	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	**64.0**	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	**106**	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	**73.6**	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6 75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
1938	67.2	96	**29**	**7.79**	0	13	11	9	10
1939	70.8	99	35	3.55	0	10	12	9	9
1940	68.6	95	32	3.28	0	10	12	9	9
1941	69.4	98	37	5.09	0	9	15	7	8
Period	69.0	106	29	3.83	0	10	13	10	7

Climatological Data for June, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, '01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	68.4	+1.8	89	19	54	3	24	4.12	+1.08	2.50	0	6	11	10	9	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	66.0	....	91	19	44	7	31	2.99	−0.55	1.08	0	6	10	11	9	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	68.8^{a}	−0.5	93	22	42	11	37	5.22	+1.78	2.54	0	7	19	4	7	s.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	69.8	+0.4	98	22	46	11	38	4.43	+0.43	0.82	0	10	18	3	9	....	Miss C. S. Hixson.
Boonton	Morris	280	§51	67.8	+0.3	92	22	45	12	35	4.73	+0.77	1.46	0	13	14	3	13	ne.	John Kline.
Bridgeton	Cumberland	30	58	71.2	−0.9	94	21†	48	11	32	7.13	+3.21	1.66	0	9	22	2	6	sw.	Bennett K. Matlack
Burlington	Burlington	12	§55	71.6	+0.2	96	22	45	1	36	4.95	+1.26	1.27	0	10	17	4	9	w.	Public Service G. & E. Co.
Canoe Brook‡‡	Essex	180	11	67.6	+0.3	92	22†	38	11	43	4.47	−0.15	1.49	0	7	16	3	11	ne.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	49	66.4	+0.7	91	22†	37	11†	42	4.89	+0.34	1.07	0	8	11	10	9	s.	Newark Water Dept
Chatham	Morris	185	37	....	....	....	....	....	....	....	4.14	+0.18	1.33	0	9	12	14	4	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	71.0	....	98	30	48	10†	42	4.83	....	1.83	0	8	13	11	6	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	69.6	0.0	94	21†	47	3	39	5.17	+1.43	1.67	0	6	13	4	13	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	3.78	−0.66	1.05	0	7	....	....	....	....	L. S. Depue.
Dayton	Middlesex	90	....	....	....	....	....	....	....	....	6.71	....	1.93	0	8	19	7	4	s.	Edward Visinski.
Dover	Morris	600	57	67.4	+0.4	91	22	44	11†	34	5.37	+0.94	1.17	0	10	9	11	10	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	5.41	+1.90	2.23	0	8	24	2	4	....	Chas. E. Hall.
Elizabeth	Union	34	62	....	....	....	....	47	8	....	4.23	+0.63	1.10	0	8	21	2	7	ne.	Union County Park Comm
Flemington	Hunterdon	140	§55	71.2	+1.3	96	27†	48	11	36	4.48	+0.87	1.02	0	12	16	5	9	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	69.8	....	94	22	47	11	37	4.99	+1.24	1.30	0	8	18	5	7	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	71.0	....	95	21†	48	3	38	5.66	+1.90	2.00	0	9	18	4	8	sw.	J. G. Wilson.
Hightstown	Mercer	110	48	69.5	+0.3	94	22	45	11	38	4.75	+0.99	1.19	0	10	13	9	8	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	70.0	0.0	97	22	43	3	41	5.01	+1.08	1.83	0	9	12	12	6	sw.	Edward Entwistle.
Jersey City	Hudson	81	43	72.2	+1.2	95	27	53	1	33	3.87	+0.09	1.01	0	7	13	8	9	nw.	Jersey Journal.
Lakewood	Ocean	54	37	70.0	+1.2	94	27†	47	11	38	5.60	+1.59	1.25	0	9	11	9	10	sw.	R. W. Holman.
Lambertville	Hunterdon	75	54	69.8	+0.3	93	22	45	11	34	5.40	+1.64	1.65	0	13	14	11	5	n.	George Bailey.
Layton(near)‡‡	Sussex	480	40	67.6	+1.5	93	22	42	12	38	4.67	+0.14	1.65	0	6	13	8	9	sw.	A. M. Depue.
Little Falls	Passaic	157	38	69.4	+0.2	95	22	45	11	37	4.74	+0.72	1.55	0	12	15	3	12	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	69.6	+1.9	95	22†	52	8	35	4.33	+0.47	1.56	0	9	13	9	8	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	67.6^{b}	....	93	22	43	12	38	5.31	....	1.40	0	11	16	8	6	sw.	Arthur Barkman.
Millville	Cumberland	60	1	....	....	....	....	....	....	....	6.13	....	2.56	0	9	....	....	....	....	Paul Ritchie.
Moorestown	Burlington	62	78	69.8	−0.4	94	22	49	3	37	4.61	+0.83	1.73	0	11	11	7	12	s.	Japanese Beetle Laborator
Newark	Essex	10	42	70.6	+1.0	95	22	53	3†	34	4.59	+0.07	1.42	0	8	13	2	15	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	70.0	+0.7	94	22	49	11	39	4.63	+0.95	1.14	0	11	10	9	11	w.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	....	5.03	+1.01	1.05	0	8	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	58	67.2	−0.7	93	27	44	12	36	3.83	+0.65	0.80	0	8	13	5	12	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	71.8	....	95	22†	53	3	32	5.06	....	1.82	0	9	12	10	8	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	5.57	....	1.84	0	7	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	70	70.2	+0.1	95	22†	51	11	36	6.75	+3.05	1.80	0	10	17	4	9	nw.	J. W. Cook.
Pemberton	Burlington	55	11	71.2	−0.4	94	21†	47	3	36	6.41	+1.70	1.49	0	11	15	8	7	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	68.0	+1.5	94	27	41	11†	36	3.65	−0.08	0.74	0	11	12	8	10	....	Town Engineer.
Plainfield	Union	120	53	70.4	+1.5	95	21†	49	10	35	6.06	+2.19	1.19	0	9	12	13	5	nw.	S. K. Pearson.
Pleasantville‡‡	Atlantic	8	§43	69.1	+0.6	95	22†	45	3	33	5.39	+1.89	1.93	0	8	22	2	6	s.	N. J. Water Policy Comm.
Rahway	Union	20	1	....	....	....	....	....	....	....	4.01	....	1.73	0	8	21	1	8	....	Norman C. Wittwer.
Ridgefield	Bergen	80	24	69.8	+1.1	94	22†	48	11	31	5.14	+1.00	1.25	0	8	12	10	8	nw.	George P. Kirsten
Runyon‡‡	Middlesex	18	18	66.7	−1.9	96	22	40	12	43	5.02	+1.01	0.95	0	10	17	10	3	e.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	68.8	+1.0	92	22	54	5	24	4.35	+0.57	2.17	0	9	8	7	15	sw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	58	68.6	−0.5	94	22	46	10	40	5.51	+2.00	1.14	0	10	16	6	8	sw.	Richard H. Rogers.
Sussex	Sussex	450	46	68.8	+1.2	93	22†	43	11	37	4.43	+0.35	1.38	0	9	16	3	11	ne.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	6.73	+3.05	2.26	0	8	....	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	69	70.9	+1.4	94	22	54	12	29	6.51	+3.42	2.67	0	9	10	9	11	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	70.8	....	94	22	50	11	32	8.25	....	3.64	0	9	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	69.8	+0.9	95	22	44	11	35	4.79	+1.06	1.59	0	10	17	6	7	sw.	John H. Brown.
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	6.99	+3.37	2.34	0	10	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	4.57	....	1.90	0	9	21	4	5	sw.	Town Engineer.
Woodbury	Gloucester	50	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Warner Underwood.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	4.55	+0.75	1.24	0	8	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Charles Bishop.
New York, N.Y.	....	10	76	70.2	+1.4	94	22	52	1	25	4.04	+0.71	1.55	....	6	12	7	11	sw.	U. S. Weather Bureau
Philadelphia, Pa.	....	26	70	72.1	+0.7	95	22	55	1	26	4.96	+1.72	1.74	....	8	12	10	8	sw.	U. S. Weather Bureau.
For the State	....	....	....	69.4	+0.4	98	22†	37	11†	43	5.09	+1.26	3.64	0	9	15	7	8	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters. ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-9-9-41-925

ERRATA

January, 1940: At Canoe Brook, temperature departure should be −9.6°. February, 1940: At Elizabeth, number of cloudy days should be 14. March, 1940: At Paterson, the mean maximum temperature should be 40.5°, the monthly mean temperature should be 33.2°, the departure should −3.9°, delete maximum temperature on 1st, all others should be one day earlier, insert 62° on 31st. September, 1940: At Somerville, departure from normal precipitation should be +2.40.

Daily Precipitation for June, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.45	T.	....	2.50	.23	....	....	....	....	....	....	T	.66	.23	.05	....	T.	....	....	....	....	T	T.	....	....	....	....	....	T.	....	....	4.12
Barnegat City[4]	Coast	....	....	....	1.08	.22	....	....	....	....	....	....	....	.99	.03	.07	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	2.99
Belleplain	Tuckahoe	.37	.14	....	2.54	.51	.46	....	....	....	....	....	T.	.80	.40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.22
Belvidere	Delaware	.50	....	....	.50	.59	....	....	....	....	....	....	T.	.59	....	.80	.06	.12	.33	....	....	....	....	.12	....	....	....	....	....	....	.82	....	4.43
Boonton[3]	Passaic	1.14	.01	....	.10	1.46	.12	....	....	....	....	....	....	.10	1.16	.03	.43	.08	.04	.03	....	....	....	....	....	....	....	....	....	....	.03	....	4.73
Bridgeton	Delaware	.41	.22	....	1.40	1.39	.13	....	....	....	....	....	T.	1.66	.32	1.40	....	....	.20	T.	....	....	....	....	....	....	....	....	....	....	....	....	7.13
Burlington	....do	.22	....	....	1.06	.24	.15	....	....	....	....	....	....	1.27	.17	.92	....	T.	.70	....	....	....	....	....	....	....	....	....	....	.03	.19	....	4.95
Canoe Brook[3]	Passaic	.71	....	....	.20	1.49	.21	....	....	....	....	....	....	.15	1.43	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	4.47
Cape May[4]	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Passaic	.76	....	....	1.07	.90	....	....	....	....	....	....	....	.68	.18	1.06	.12	T.	....	....	....	....	....	....	....	....	....	....	....	....	.03	....	4.80
Chatham[3]	...do	.76	.02	....	.14	1.33	.25	....	....	....	....	....	....	.08	1.14	....	....	....	....	.04	....	....	....	....	....	....	....	....	....	....	.38	....	4.14
Chatsworth	Delaware	.25	....	....	1.30	.37	.37	....	....	....	....	....	....	1.83	.22	.30	.19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.83
Clayton	Delaware	.29	....	....	1.67	.92	.28	....	....	....	....	....	....	1.65	.36	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	5.17
Culvers Lake	...do	.70	....	....	....	1.05	....	....	....	....	....	....	....	.60	T.	.37	.24	....	.80	....	....	....	....	....	....	....	....	....	....	....	.02	....	3.78
Dayton	Raritan	.15	....	....	.62	1.30	....	....	....	....	....	....	....	1.93	....	.16	.66	.06	....	....	....	....	....	....	....	....	....	....	....	....	1.83	....	6.71
Dover	Passaic	1.12	....	....	.94	.83	....	....	....	....	....	....	....	1.17	.05	.60	....	.05	.14	....	....	....	....	....	....	....	....	....	....	.15	.32	....	5.37
Egg Harbor City[2]	Mullica	.47	....	....	2.13	.48	....	....	....	....	....	....	.02	2.23	.04	.01	....	.03	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	5.41
Elizabeth	Coast	.46	....	....	.89	.89	.05	....	....	....	....	....	....	1.10	.58	....	.03	....	....	....	T.	....	....	....	....	....	....	....	....	T.	.23	....	4.23
Flemington	Raritan	.18	T.	....	.70	1.01	.01	....	....	....	....	....	T.	1.02	.07	.04	.01	....	.89	.12	....	....	....	.05	....	....	....	....	....	....	.38	....	4.48
Freehold	.do	.22	T.	....	.52	.80	.30	....	....	....	....	....	....	.70	.73	.42	T.	T.	....	....	....	....	....	....	....	....	....	....	....	....	1.30	....	4.99
Hammonton	Mullica	.25	....	....	1.70	.36	.47	....	....	....	....	....	T.	2.00	.70	.12	T.	.03	.03	....	....	....	....	....	T.	....	....	....	....	....	....	....	5.66
Hightstown	Raritan	.22	....	....	.95	.81	.26	....	....	....	....	....	T.	1.19	.36	.09	....	....	.02	.04	....	....	....	....	....	....	....	....	....	....	.81	....	4.75
Indian Mills	Mullica	.31	....	....	1.44	1.13	.08	....	....	....	....	....	T.	1.83	.09	.01	T.	.10	T.	.02	....	....	....	T.	....	....	....	....	....	....	....	....	5.01
Jersey City	Coast	.81	....	....	.71	.74	T.	....	....	....	....	....	T.	1.01	.41	T.	.01	T.	T.	....	....	....	....	....	....	....	....	....	....	T.	.18	....	3.87
Lakewood	Metedeconk	.50	....	....	.75	.34	.36	....	....	....	....	....	....	1.10	1.25	.10	1.00	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	5.60
Lambertville	Delaware	.17	....	....	.85	.64	.03	....	....	....	....	....	T.	1.65	.02	.03	.02	.06	1.43	27	....	....	....	....	.06	....	....	....	....	....	.17	....	5.40
Layton(near)	...do	.79	....	....	.85	.70	....	....	....	....	....	....	....	.36	T.	.32	....	....	1.65	....	....	....	....	....	....	....	....	....	....	....	....	....	4.67
Little Falls[3]	Passaic	.99	.02	....	.18	1.21	.13	....	....	....	....	....	....	.13	1.55	.01	.12	.21	....	.01	....	....	....	....	....	....	....	....	....	....	.18	....	4.74
Long Branch[2]‡	Coast	.18	....	....	.58	1.21	....	....	....	....	....	....	....	1.56	.02	.20	.38	....	....	....	....	....	....	....	....	....	....	....	....	.07	.13	....	4.33
Long Valley[3]	Raritan	1.10	....	....	....	1.10	.40	....	....	....	....	....	....	....	1.40	.05	.08	....	.50	.45	....	....	....	.05	....	....	....	....	....	.18	....	....	5.31
Millville[2]‡	Maurice	.21	.08	....	1.89	.91	....	....	....	....	....	....	.01	2.56	.31	....	....	.12	....	....	....	....	....	.04	....	....	....	....	....	....	....	....	6.13
Moorestown[3]	Delaware	.12	.03	....	.80	.62	.63	....	....	....	....	....	....	.11	1.73	.02	.17	....	.35	.03	....	....	....	....	....	....	....	....	....	....	....	....	4.61
Newark[1]	Coast	.70	....	....	1.28	.95	....	....	....	....	....	....	....	1.42	.09	.02	T.	....	.01	....	....	....	....	....	....	....	....	....	....	T.	.12	....	4.59
New Brunswick	Raritan	.15	....	....	.60	.50	.17	....	....	....	....	....	T.	1.14	.97	.03	.16	T.	.08	.06	....	....	....	....	....	....	....	....	....	....	.77	....	4.63
New Milford[2]‡	Hackensack	.73	....	....	.84	.57	....	....	....	....	....	....	....	1.05	....	.41	.11	....	....	....	....	....	....	....	....	....	....	....	....	.71	.61	....	5.03
Newton	Delaware	.80	....	....	.80	.77	T.	....	....	....	....	....	....	.55	.04	.13	.01	....	.73	T.	....	....	....	....	....	....	....	....	....	....	....	....	3.83
N. Merchantville[2]‡	Delaware	.13	....	....	1.18	.56	....	....	....	....	....	....	T.	1.82	.01	.27	....	.24	.17	....	....	....	....	T.	....	....	....	....	T.	....	.68	....	5.06
Orange[2]‡	Passaic	1.07	....	....	1.37	.89	....	....	....	....	....	....	....	1.84	....	.02	.09	....	....	....	....	....	....	....	....	....	....	....	....	....	.29	....	5.57
Paterson[3]	Passaic	.82	....	....	.96	.36	....	....	....	....	....	....	....	1.68	.02	.27	.29	.10	....	....	....	....	....	....	....	....	....	....	....	.45	1.80	....	6.75
Pemberton	Delaware	.14	....	....	1.04	.51	.04	....	....	....	....	....	T.	1.45	.11	1.49	.39	....	.82	.13	....	....	....	....	....	....	....	....	....	T.	.29	....	6.41
Phillipsburg	....do	.12	....	....	.63	.65	....	....	....	....	....	....	T.	.74	.28	.09	.40	.27	.12	....	....	....	....	.19	....	....	....	....	....	T.	.16	....	3.65
Plainfield	Raritan	.33	....	....	.77	1.19	....	....	....	....	....	....	T.	.96	1.00	.06	T.	T.	.26	....	....	....	....	....	....	....	....	....	....	.48	1.01	....	6.06
Pleasantville[3]	Coast	.88	.07	....	.78	1.93	.31	....	....	....	....	....	....	T.	1.26	....	.15	....	....	....	....	....	....	....	.01	....	....	....	....	....	....	....	5.39
Rahway[3]‡	Rahway	....	.35	....	.15	1.15	.35	....	....	....	....	....	....	.10	1.73	....	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.16	....	4.01
Ridgefield[2]	Hackensack	.87	....	....	.82	.94	....	....	....	....	....	....	....	1.25	.05	T.	23	....	....	....	....	....	....	....	....	....	....	....	....	.19	.79	....	5.14
Runyon	Coast	.13	....	....	.60	.58	.52	....	....	....	....	....	....	.90	.81	.33	.19	.01	....	....	....	....	....	....	....	....	....	....	....	....	.95	....	5.02
Sandy Hook[2]‡	Coast	.32	....	....	.71	.72	....	....	....	....	....	....	T.	2.17	.01	.09	.23	....	....	....	....	....	....	....	....	....	....	....	....	.05	.05	....	4.35
Somerville(near)	Raritan	.20	....	....	.79	1.14	....	....	....	....	....	....	....	1.02	.14	.03	.02	....	.43	....	....	....	....	....	....	....	....	....	....	.74	1.00	....	5.51
Sussex	Hudson	.72	....	....	.71	1.38	....	....	....	....	....	....	....	.67	.03	.10	.47	....	.34	.01	....	....	....	....	....	....	....	....	....	..	T.	....	4.43
Toms River	Coast	.25	....	....	.99	.21	.39	....	....	....	....	....	....	.36	2.26	....	.49	....	....	....	....	....	....	....	....	....	....	....	....	....	1.78	....	6.73
Trenton[1]‡	Delaware	.26	....	....	.99	.63	....	....	....	....	....	....	T	1.36	.02	.16	T.	2.56	.30	....	....	....	....	T.	....	....	....	....	....	T.	.23	....	6.51
Trenton No. 2[2]	Delaware	.39	....	....	1.07	96	....	....	....	....	....	....	T.	1.56	.05	.15	....	3.64	.26	....	....	....	....	T.	....	....	....	....	....	T.	.17	....	8 25
Tuckerton	Coast	.42	.02	....	1.59	09	.28	....	....	....	....	....	.03	1.38	.18	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.68	....	4.79
Vineland[3]	Maurice	.30	.09	....	.95	1.10	.74	....	....	....	....	....	....	.01	2.34	....	.29	....	.09	....	....	....	....	....	1.08	....	....	....	....	....	....	....	6.99
Westfield[3]‡	Rahway	.35	....	....	*	*	1.86	....	....	....	....	....	....	*	1.90	....	.05	....	....	.03	....	....	....	....	....	....	....	....	....	....	.38	....	4.57
Woodbury	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Woodcliff Lake[2]‡	Hackensack	.66	....	....	.98	.63	....	....	....	....	....	....	....	1.24	....	.03	.14	....	....	....	....	....	....	....	....	....	....	....	....	.34	.53	....	4.55
Woodstown	Delaware	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y[1]‡	Coast	.80	....	....	.86	.65	....	....	....	....	....	....	T.	1.54	.01	T.	T.	....	T.	....	....	....	....	....	....	....	....	....	....	T.	.18	....	4 04
Phila., Pa[1]‡	Delaware	.11	....	T.	1.22	.34	....	....	....	....	....	....	T.	1.72	.02	.08	....	.69	T.	....	....	....	....	T.	....	....	....	....	....	....	.78	....	4.96

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.064	.096	120	.018	.018	.128	.112	.288	.272	.256	.176	.054	.086	.064	.128	.192	.128	.128	.160	.224	.160	.192	.176	.176	.224	.224	.192	.208	.152	.078	....	4.494
	Wind movement	6	1	3	13	9	1	5	19	27	18	7	7	6	3	3	7	3	2	6	4	1	3	16	2	4	7	5	7	2	0	....	197
Pleasantville[3]	Evaporation	.054	128	.204	.138	.054	.224	.128	.368	.352	.384	.304	096	.076	.192	.214	.224	.224	.192	.320	.192	.288	.192	138	.128	.320	.224	.520	.192	.288	.288	....	6.446
	Wind movement	15	25	30	46	102	44	49	56	46	50	57	82	46	31	40	41	25	29	30	19	30	21	44	15	37	35	63	39	74	45	....	1266
Runyon	Evaporation	.000	.120	.120	.240	.190	.190	.240	.270	.270	.210	.240	.240	.060	.050	.060	.190	.010	.120	.240	.270	.240	.240	.180	.180	.240	.180	.280	.240	.240	.170	....	5.520
	Wind movement	14	20	16	16	42	58	34	44	36	26	16	19	11	10	10	24	17	11	9	9	8	8	22	20	28	47	49	27	32	37	....	720

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for June, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	67	63	68	64	62	70	69	81	79	80	74	63	64	78	73	80	74	81	89	86	86	86	79	71	73	72	77	77	79	82	....	74.9
	Minimum	58	58	54	59	56	56	60	64	61	60	55	59	60	61	64	63	63	61	65	70	73	70	60	59	63	61	62	67	68	70	....	62.0
Barnegat City‡	Maximum	71	68	66	64	59	67	71	90	75	77	72	64	65	74	72	81	72	81	91	90	90	88	76	68	72	76	76	75	79	82	....	75.1
	Minimum	55	49	48	54	54	50	44	60	57	53	52	48	56	58	57	60	58	60	60	68	68	65	56	56	57	52	61	62	62	64	....	56.8
Belleplain	Maximum	70	68	75	69	67	75	83	85	85	76	77	75	67	84	81	77	79	....	87	88	88	93	90	76	79	85	89	88	89	89	....	80.5^a
	Minimum	55	56	45	55	54	52	51	66	59	49	42	52	56	61	60	58	53	....	52	59	62	69	65	57	57	48	52	71	69	70	....	57.1^a
Belvidere	Maximum	62	74	81	68	61	80	88	90	87	79	79	70	63	82	81	75	83	81	90	92	93	98	82	86	86	93	96	92	94	91	....	82.6
	Minimum	53	55	51	55	54	48	51	63	53	51	46	49	55	60	55	58	54	51	55	60	61	64	61	61	58	55	60	68	73	70	....	56.9
Boonton§§	Maximum	64	74	81	58	61	79	83	86	73	74	75	71	61	78	80	75	82	80	87	90	91	92	79	82	82	85	90	87	89	91	....	79.3
	Minimum	49	52	48	53	55	51	48	54	55	56	49	45	54	56	55	61	53	59	54	69	61	62	66	57	60	51	59	66	74	70	....	56.4
Bridgeton	Maximum	70	73	76	68	67	78	85	89	85	78	79	71	65	85	83	78	81	80	88	92	94	94	87	88	85	86	91	92	92	93	....	82.4
	Minimum	56	58	52	57	55	51	54	66	61	56	48	54	57	63	62	57	57	56	61	63	66	68	72	61	59	55	59	72	72	73	....	60.4
Burlington	Maximum	65	70	79	71	64	78	85	87	77	81	80	79	65	81	83	78	84	82	89	93	95	96	91	85	88	90	95	92	95	95	....	83.1
	Minimum	45	57	51	51	57	55	53	54	54	56	76	51	58	62	62	58	58	59	59	69	64	70	69	60	65	55	59	72	73	73	....	60.2
Canoe Brook§§	Maximum	71	74	79	59	66	78	88	86	75	74	79	74	63	80	80	78	83	82	88	90	91	92	80	83	85	87	92	90	90	91	..	80.9
	Minimum	51	54	45	53	55	46	45	60	53	48	38	42	55	57	55	61	50	54	50	55	57	59	64	56	51	47	59	67	73	67	....	54.2
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	76	74	79	77	61	78	84	86	78	72	73	73	60	77	76	77	81	78	86	88	90	91	81	85	89	87	91	91	90	89	....	80.6
	Minimum	43	54	43	50	52	46	42	60	50	47	37	37	52	55	50	59	50	55	56	53	55	55	61	54	52	45	64	64	66	61	....	52.3
Chatsworth	Maximum	67	67	81	70	64	77	90	94	85	79	78	68	67	86	83	80	89	82	90	92	95	95	92	82	83	90	97	96	93	98	....	83.7
	Minimum	55	56	46	56	56	52	52	65	56	48	49	51	57	62	63	60	52	56	54	59	69	69	62	58	57	48	66	70	71	72	....	58.2
Clayton	Maximum	73	72	76	68	68	78	84	88	85	76	76	74	66	84	84	79	81	80	88	91	94	94	86	78	86	86	92	91	91	92	....	82.0
	Minimum	54	56	47	55	53	51	49	54	57	53	51	49	55	61	60	56	55	55	59	60	62	65	66	57	58	51	53	70	70	72	....	57.1
Dover	Maximum	64	70	76	68	60	76	83	86	76	75	75	61	60	76	77	75	79	79	80	88	89	91	82	82	80	85	90	86	88	87	....	78.1
	Minimum	50	55	50	53	54	59	49	65	53	51	44	44	54	58	51	60	54	58	58	59	61	62	60	58	59	53	63	69	73	69	....	56.7
Elizabeth	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	52	56	50	54	54	52	49	47	53	49	47	48	55	58	60	61	54	56	55	60	63	66	65	57	57	50	58	68	72	69	....	56.5
Flemington	Maximum	75	74	80	74	60	82	87	90	86	76	78	71	64	83	84	80	85	78	90	93	95	94	93	89	87	86	96	85	96	93	....	83.5
	Minimum	55	56	50	56	55	53	51	64	54	54	48	49	56	60	59	59	56	57	58	65	65	68	69	61	59	54	60	69	73	71	....	58.8
Freehold	Maximum	67	70	79	72	62	79	85	89	86	76	77	77	64	83	79	77	79	81	88	91	93	94	88	84	83	88	92	91	93	91	....	81.9
	Minimum	54	54	51	54	54	51	53	56	53	51	47	50	56	59	62	59	56	56	58	63	66	68	66	58	60	51	56	68	71	70	....	57.7
Hammonton	Maximum	69	70	77	68	67	78	87	89	85	79	79	75	67	86	84	78	80	82	90	91	95	94	90	80	85	88	93	93	93	95	....	82.9
	Minimum	61	55	48	56	55	56	52	67	58	55	50	49	56	61	61	58	56	55	60	64	66	70	66	56	58	50	56	70	72	74	....	59.0
Hightstown	Maximum	69	69	78	68	58	79	85	87	83	77	77	72	63	81	80	77	81	81	87	90	93	94	86	83	84	89	93	91	93	91	...	81.3
	Minimum	53	54	50	55	54	51	53	65	53	51	45	47	56	60	60	59	55	57	57	62	64	67	62	59	60	51	58	70	72	70	....	57.7
Indian Mills(near)	Maximum	67	70	78	65	65	77	86	89	80	79	79	67	67	85	84	79	81	81	89	93	96	97	85	81	86	88	93	92	93	94	....	82.2
	Minimum	56	57	43	56	55	52	52	68	58	48	50	51	56	62	60	58	54	54	55	63	62	69	62	58	59	47	54	70	70	75	....	57.9
Jersey City	Maximum	65	72	80	75	60	79	84	90	89	77	77	74	66	76	78	79	80	83	90	92	92	94	93	80	80	83	95	90	91	90	....	81.8
	Minimum	53	57	57	58	56	55	58	67	56	57	55	59	55	56	62	61	62	62	63	72	74	76	74	61	64	61	66	74	73	75	....	62.6
Lakewood	Maximum	76	69	79	70	63	78	87	90	82	78	78	70	64	81	81	78	80	81	88	90	92	93	83	79	80	88	94	94	91	90	....	81.6
	Minimum	49	54	49	55	55	52	53	66	57	50	47	48	54	60	62	60	57	58	59	64	66	70	62	59	62	50	57	70	72	71	....	58.3
Lambertville	Maximum	67	71	77	73	61	78	85	89	86	77	77	75	65	81	75	77	82	81	87	90	92	93	89	81	83	87	92	90	92	91	....	81.5
	Minimum	56	57	50	56	56	48	53	65	55	50	45	53	57	61	59	57	54	55	57	60	61	67	67	61	58	53	59	72	74	71	....	58.2
Layton(near)	Maximum	68	75	80	75	60	79	84	86	77	74	75	69	60	78	77	76	82	78	88	89	89	93	80	85	81	87	91	88	90	88	...	80.1
	Minimum	50	55	48	53	54	42	47	62	52	49	44	42	54	57	53	59	59	57	59	55	57	62	60	58	53	49	59	63	71	69	....	55.1
Little Falls§§	Maximum	64	74	81	60	67	80	87	88	76	77	77	68	64	81	78	77	79	80	90	93	93	95	79	85	83	89	93	91	91	88	....	80.9
	Minimum	52	57	51	54	55	51	50	67	55	49	45	48	56	56	58	62	51	58	56	60	62	64	67	57	60	53	67	71	74	70	....	58.0
Long Branch*	Maximum	65	70	78	62	60	75	83	90	76	77	76	66	62	75	73	80	76	80	89	92	91	95	76	77	75	83	95	92	93	83	....	78.8
	Minimum	58	58	52	57	56	58	56	68	56	53	54	52	58	60	60	60	59	58	60	66	70	73	60	59	57	54	60	74	72	72	....	60.3
Long Valley§§	Maximum	....	71	78	58	61	79	84	86	75	76	76	68	62	78	77	76	81	80	87	90	90	93	80	83	84	87	92	87	91	90	....	80.0^a
	Minimum	....	....	46	52	54	50	46	60	52	48	49	43	53	56	52	58	52	55	55	60	57	59	64	59	56	49	55	64	71	67	....	55.1^b
Moorestown*	Maximum	66	69	77	66	64	77	85	89	76	78	76	67	65	83	82	76	79	80	87	89	92	94	77	81	80	86	91	90	92	92	....	80.2
	Minimum	55	53	49	56	55	54	55	69	56	53	54	51	57	62	62	58	58	62	61	64	65	70	58	60	57	54	54	72	72	74	....	59.3
Newark*	Maximum	64	74	81	60	60	78	87	90	75	77	75	68	61	81	80	77	80	82	90	92	93	95	79	85	81	88	91	91	91	88	....	80.6
	Minimum	54	57	53	56	55	58	53	65	57	57	55	54	56	60	62	62	58	60	58	70	69	70	62	60	60	58	64	72	74	73	...	60.7
New Brunswick	Maximum	72	71	77	73	60	78	85	87	85	77	76	72	62	80	78	76	81	80	87	90	92	94	87	83	80	87	92	91	92	90	....	81.2
	Minimum	53	55	51	55	55	56	54	67	55	52	49	50	56	60	61	61	57	57	58	68	65	68	65	58	60	53	53	71	72	70	....	58.8
Newton	Maximum	68	82	78	69	58	78	85	86	81	73	79	69	60	79	82	76	82	79	87	90	84	86	74	84	82	88	93	88	91	92	....	80.1
	Minimum	47	47	49	50	50	48	49	63	50	49	45	44	50	55	51	56	50	54	52	60	60	62	59	55	59	54	61	66	68	66	....	54.3
N. Merchantville*	Maximum	68	72	78	67	59	79	87	91	75	80	79	69	65	85	86	79	82	83	89	92	94	95	86	83	86	89	92	92	95	95	...	82.4
	Minimum	56	57	53	57	56	55	56	69	57	58	57	53	58	62	63	59	62	58	63	66	67	72	61	60	62	57	62	73	74	74	...	61.2
Paterson§§	Maximum	65	75	82	60	62	80	88	89	77	77	80	70	62	83	79	78	80	80	90	92	93	95	80	86	83	89	95	91	92	89	....	81.4
	Minimum	52	53	53	54	54	55	52	57	55	54	51	53	55	56	60	62	57	59	60	64	67	67	70	59	61	55	64	71	74	70	....	59.1
Pemberton	Maximum	74	71	80	73	67	78	85	89	84	79	78	77	66	87	85	77	82	82	88	91	94	94	85	80	84	88	92	91	93	92	....	82.9
	Minimum	55	56	47	56	56	53	55	68	57	54	48	52	58	63	63	59	57	59	58	62	64	67	69	60	60	52	57	72	72	73	....	59.4
Phillipsburg	Maximum	63	69	76	63	59	78	84	86	76	76	77	66	61	78	75	75	79	76	87	89	90	92	79	80	83	90	94	89	90	86	....	78.9
	Minimum	55	56	50	55	54	49	54	63	55	53	41	41	54	60	56	56	55	59	56	59	61	64	64	61	59	55	58	69	73	70	....	57.2
Plainfield	Maximum	65	71	80	70	60	78	86	89	80	79	78	71	60	80	81	78	83	82	89	93	95	95	85	84	83	89	95	90	92	90	....	81.7
	Minimum	54	56	52	56	56	54	53	64	56	49	53	52	56	57	60	63	57	58	58	63	64	68	65	60	60	54	62	71	74	72	....	59.2
Pleasantville§§	Maximum	68	70	72	65	60	74	80	89	78	79	77	79	71	82	84	79	78	81	90	89	91	95	84	76	79	79	85	85	92	95	....	80.2
	Minimum	57	57	45	59	56	52	54	61	59	46	49	55	57	60	62	58	55	54	60	64	65	64	70	58	58	49	54	65	65	71	....	58.0
Ridgefield*	Maximum	62	71	79	62	59	78	84	89	76	76	75	68	59	80	80	78	78	79	89	91	91	94	75	84	80	88	94	90	91	87	....	79.6
	Minimum	53	57	55	55	55	54	56	67	55	53	48	54	56	58	62	63	57	60	58	65	67	68	61	60	61	57	65	73	74	72	....	60.0
Runyon	Maximum	69	69	76	69	64	76	85	89	82	80	78	77	68	79	76	77	83	81	91	93	92	96	79	85	76	87	92	92	93	89	....	81.4
	Minimum	56	53	43	58	43	56	46	46	43	46	41	40	46	58	56	60	48	54	48	50	62	63	49	54	52	53	57	51	61	68	....	52.0
Sandy Hook‡	Maximum	62	68	76	62	61	74	80	84	73	75	74	64	61	71	69	74	76	78	83	88	89	92	76	75	74	81	89	88	88	79	....	76.1
	Minimum	55	57	57	57	54	56	57	66	57	58	57	58	58	60	60	61	62	62	64	68	70	72	61	60	62	62	65	73	73	67	....	61.6
Somerville(near)	Maximum	64	72	80	68	61	79	85	87	75	77	77	70	62	79	80	75	81	81	86	90	92	94	79	84	83	88	93	90	91	91	....	80.5
	Minimum	52	52	53	52	52	52	52	65	52	46	49	50	54	59	59	62	57	57	57	54	67	70	63	52	53	48	54	70	71	63	....	56.6
Sussex	Maximum	70	75	81	74	58	78	85	87	82	75	76	74	61	78	80	76	82	78	92	90	91	93	90	86	83	88	93	90	92	91	....	81.6
	Minimum	50	56	49	54	54	45	48	63	53	51	43	45	55	58	53	61	52	58	55	56	57	59	62	57	53	52	61	67	70	69	.. .	55.5
Trenton*	Maximum	63	69	77	63	59	78	85	90	76	77	77	68	64	81	82	77	80	80	88	90	93	94	79	82	83	86	90	90	93	90	....	80.1
	Minimum	55	58	56	56	55	56	56	68	56	59	55	54	56	62	64	61	59	59	62	68	71	73	61	61	63	60	64	74	74	75	....	61.7
Trenton No. 2*	Maximum	65	72	78	66	59	79	86	90	77	77	79	76	65	82	82	79	82	82	88	91	93	94	81	83	85	88	92	91	93	92	....	81.6
	Minimum	55	55	54	56	55	54	55	67	55	55	50	52	57	61	62	58	58	57	60	64	67	70	64	61	63	56	62	72	73	73	....	60.0
Tuckerton	Maximum	70	70	74	68	68	74	79	90	83	80	79	70	65	83	78	78	78	83	90	93	92	95	85	76	78	80	86	88	93	93	....	80.6
	Minimum	58	55	47	58	55	50	55	64	58	52	44	55	58	60	62	60	58	55	60	65	66	70	63	58	60	50	58	70	70	73	....	58.9
New York, N. Y.*	Maximum	62	72	77	64	60	76	82	87	73	74	74	65	60	77	77	74	78	78	88	90	91	94	81	82	79	85	90	88	88	90	....	78.5
	Minimum	52	57	56	56	55	57	57	68	55	57	55	58	55	58	61	61	62	61	63	72	75	75	60	60	63	61	66	74	73	74	....	61.9
Philadelphia, Pa.*	Maximum	66	72	75	66	60	78	84	89	78	79	78	66	65	82	82	76	77	81	88	91	93	95	83	82	86	86	90	88	93	92	....	80.7
	Minimum	55	59	59	57	56	56	58	70	59	61	59	57	58	64	65	61	62	60	67	72	75	74	62	61	64	64	66	74	74	77	....	63.5

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^{a}, ^{b}, ^{c}, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. JULY, 1941. No. 7.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

July temperature averaged exactly normal for the State. The month began hot, several stations in the southern interior recording temperatures of 100° or higher on the 2d. There was a cool period from the 3d to 6th, after which temperatures were moderate or near normal until about the 23d when a hot spell set in with daily maxima generally above 90°, lasting through the 28th, and at southern stations until the close of the month. There were some humid days, but as a whole the month was not so oppressive as some Julys.

Rain averaged 30 percent above normal. There was considerable variation between stations a short distance apart, and a few received less than normal. Rainfall was heaviest in Mercer, Burlington, Ocean, Monmouth, Middlesex, Union, and south Hunterdon Counties or roughly, the middle one-third of the State. The heaviest falls were recorded at Trenton with 10.19 inches at the regular station, and 11.80 inches at the cooperative station near the city reservoir. These were the heaviest July amounts in Trenton for sixty years; 4.45 inches fell on the 3d-4th. There were numerous thunderstorms in the State, thunder being recorded on 10 days in Trenton alone. Many buildings were struck by lightning in central Jersey, the worst damage occurring on the 19th and 31st. On the latter date, a man was killed by lightning at Mt. Holly and a large barn in that vicinity was wrecked by wind. There was also moderate wind damage to trees and roofs in the Delaware Valley from Hunterdon to Burlington Counties. This was the second successive month with generous rainfall. As a result, the harmful effect of dry weather in April and May was largely offset, and crop conditions were excellent at the close of the month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 73.8°, which was exactly normal. The highest temperature was 105° at Chatsworth on the 2d, and the lowest, 41°, at Charlotteburg on the 21st. The greatest daily range of temperature was 43° at Elizabeth on the 10th. The highest monthly mean temperature was 76.6° at Bridgeton, and the lowest, 70.6° Charlotteburg

The temperature departure from the normal for the year, 1941, to date, for the State is +0.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 57 stations, was 6.40 inches, which was 1.71 inches above normal. The greatest monthly precipitation was 11.80 inches at Trenton No. 2, and the least, 3.25 inches at Vineland The greatest amount of precipitation in any 24 consecutive hours was 4.30 inches at Trenton on the 3d-4th. The average for the Highlands was 6.02 inches, for the Red Sandstone Plain 6.10 inches, and for the Southern Interior 6 91 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −2.65 inches; Red Sandstone Plain, −1.60 inches; Southern Interior, +1.12 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 2, 3, 6, 7, 8, 9, 11, 12, 13, 18, 19, 25, 27, 28, 29, 30, 31.

DENSE FOG: 6, 13, 15 ,21, 24, 28, 30, 31. HAIL: 28, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	29.97	30.24	6	29.68	31	14.3	40	ne.	28	85	75	85	66
Long Branch	29 95	30.21	6	29.64	30	10.4	30	s.	11	80	63	73	61
Ridgefield	29.95	30.26	6	29.65	28	. .	....	.. ..	....	....	....	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	29. 96	30.22	6	29.66	30	7.8	23	nw.	28	79	59	72	62

COMPARATIVE DATA FOR JULY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	48	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
1938	74.7	98	43	8.84	0	16	11	10	10
1939	73.4	98	38	2.33	0	8	14	10	7
1940	73.9	104	40	2.73	0	9	15	9	7
1941	73.8	105	41	6.40	0	15	12	8	11
Period	73.8	110	33	4.69	0	10	14	10	7

Climatological Data for July, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	72.8	+0.7	96	28	61	5	26	3.97	+0.04	1.12	0	13	8	9	14	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	69.7	....	92	2	52	6	31	3.18	−0.75	0.90	0	12	4	15	12	s.	U. S. Coast Guard.
Belleplain	Cape May	49	47	73.5^b	−0.2	96	2	53	6†	38	5.00	+0.69	1.14	0	15	13	14	4	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	60	74.4	+0.7	97	2	51	21	37	4.71	+0.17	1.10	0	15	21	2	8	....	Miss C. S. Hixson.
Berlin	Camden	70	....	....	....	....	....	....	....	....	3.53	....	0.96	0	12	21	5	5	....	Samuel H. McCulley.
Boonton	Morris	280	§51	72.3	+0.1	95	1	50	21	32	5.17	+0.53	0.63	0	15	11	4	16	ne.	John Kline.
Bridgeton	Cumberland	30	58	76.6	+0.1	100	2†	58	6	27	5.49	+1.04	1.07	0	13	16	8	7	sw.	Bennett K. Matlack
Brooklawn	Camden	30	....	....	....	....	....	....	....	....	6.86	....	1.73	0	16	....	....	....	....	C. D. Scott.
Burlington	Burlington	12	§55	74.8	−1.1	100	2	55	6	32	9.55	+1.61	2.40	0	15	14	9	8	sw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	11	72.4	+0.3	95	1	48	21†	38	6.78	+3.00	1.27	0	17	13	6	12	sw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	U. S. Coast Guard.
Charlotteburg‡‡	Passaic	760	49	70.6	+0.2	99	28	41	21	42	7.27	+2.69	2.12	0	11	18	8	5	sw.	Newark Water Dept.
Chatham	Morris	185	37	....	....	....	....	....	....	....	7.02	+2.08	1.42	0	16	12	10	9	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	75.6	.	105	2	52	22	34	8.37	....	1.35	0	14	9	17	5	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	74.8	−0.4	99	2	54	15	32	6.17	+1.61	0.91	0	13	10	4	17	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	4.33	−0.45	1.07	0	11	....	....	....	....	L. S. Depue.
Dayton	Middlesex	90	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Edward Visinski.
Dover	Morris	600	57	71.8	+0.2	93	2	51	21	31	5.25	+0.04	1.34	0	14	3	9	19	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	4.77	−0.22	2.20	0	13	16	6	9	....	Chas. E. Hall.
Elizabeth	Union	34	62	75.4	+0.1	99	1	52	21	43	5.75	+1.03	1.30	0	16	16	2	13	ne.	Union County Park Comm
Flemington	Hunterdon	140	§55	75.4	+0.5	98	2	55	10	35	6.64	+1.79	1.02	0	17	15	7	9	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	73.5	....	96	2	55	6†	33	7.61	+2.86	2.10	0	15	15	8	8	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	75.5	....	103	2	54	22	34	5.06	+0.52	2.17	0	16	20	5	6	sw.	J. G. Wilson.
Hightstown	Mercer	110	48	73.6	−0.6	97	2	54	21	33	8.50	+3.58	2.81	0	18	12	9	10	s.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	74.4	−0.2	100	2	52	22	35	8.12	+3.37	1.29	0	14	8	17	6	sw.	Edward Entwistle.
Jersey City	Hudson	81	43	76.2	+0.3	98	2	61	3†	36	4.33	−0.02	1.28	0	14	10	10	11	sw.	Jersey Journal.
Lakewood	Ocean	54	37	73.7	+0.2	96	2	53	6	32	6.18	+1.18	1.10	0	18	5	11	15	sw.	R. W. Holman.
Lambertville	Hunterdon	75	54	74.2	+0.1	96	2	53	10†	33	8.39	+3.75	1.85	0	16	11	15	5	s.	George Bailey.
Layton (near)‡‡	Sussex	480	40	71.4	+0.2	95	2	46	21	37	8.15	+3.75	3.22	0	15	9	8	14	sw.	A. M. Depue.
Little Falls	Passaic	157	38	73.9	−0.1	96	2	52	21	32	7.28	+2.56	2.23	0	16	11	11	9	w	Passaic Valley Water Co
Long Branch	Monmouth	34	33	73.6	+0.7	98	2	56	6	27	5.82	−0.03	1.02	0	13	8	9	14	s.	Storm Warn. Display Sta
Long Valley	Morris	660	11	71.4	....	95	2	47	21	37	5.07	....	1.14	0	16	14	11	6	sw.	Arthur Barkman.
Marlton	Burlington	90	....	....	....	....	....	....	....	....	7.64	....	1.65	0	13		....	....	....	David Griscom.
Millville	Cumberland	60	1	....	....	....	....	....	....	....	3.54	....	0.81	0	17	13	2	16	....	Paul Ritchie.
Moorestown	Burlington	62	78	74.0	−0.8	98	2	57	6†	28	8.99	+4.29	2.34	0	17	10	7	14	sw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	....	....	....	....	....	....	....	4.66	....	0.80	0	15	14	8	9	s.	James C. Long.
Newark	Essex	10	42	75.0	+0.3	97	1†	58	6	28	4.08	−0.87	0.75	0	13	3	2	26	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	74.4	+0.3	96	2	56	6†	27	7.10	+1.87	1.69	0	16	11	5	15	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	..	4.84	+0.31	1.08	0	12	...	...	...	....	Hackensack Water Co
Newton	Sussex	769	58	72.0^a	−0.6	96	1	48	21	38	5.53	+0.70	1.47	0	17	10	7	14	sw	Irving J. Kern.
N. Merchantville	Camden	63	7	76.0	....	98	2	59	3†	27	8.74	....	2.42	0	14	9	10	12	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	5.15	....	0.73	0	14	....	....	....	...	H. J. Finley.
Paterson	Passaic	95	70	74.8	+0.2	97	2	55	21	30	3.87	−0.43	0.98	0	13	15	4	12	nw.	J. W. Cook.
Pemberton	Burlington	55	11	75.2	−0.7	97	2	54	6	31	8.24	+4.74	2.07	0	20	12	6	13	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	72.4	−1.6	94	1†	53	10†	32	7.12	+2.64	1.45	0	16	12	9	10	....	Town Engineer.
Plainfield	Union	120	53	74.8	+0.9	97	2	56	21	31	7.31	+1.76	1.70	0	15	9	9	13	s.	S. K. Pearson.
Plainsboro	Middlesex	110	....	....	....	....	....	....	....	....	8.31	....	2.81	0	14	....	..	..	....	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	73.0	−0.3	100	28	52	6	35	4.51	+0.45	1.58	0	15	15	7	9	s.	N. J. Water Policy Comm.
Rahway	Union	20	1	....	....	....	....	....	....	....	7.96	....	2.11	0	14	13	10	8	....	Louis Fontenelli.
Ridgefield	Bergen	80	24	74.2	+0.5	95	1†	55	21†	29	3.96	−0.86	0.81	0	15	8	9	14	s.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	71.2	−1.8	97	22	48	6	40	6.23	+1.46	1.70	0	14	16	9	6	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	73.4	−0.1	94	2	59	3	26	7.58	+2.46	2.86	0	13	8	8	15	s.	U. S. Coast Guard.
Somerville (near)	Somerset	385	58	72.0	−2.0	94	1†	49	10	37	8.30	+3.06	1.40	0	20	8	12	11	w.	Richard H. Rogers.
Sussex	Sussex	450	46	73.1	+0.8	96	1†	47	21	36	6.51	+2.69	1.66	0	16	18	5	8	w.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	7.78	+2.23	2.05	0	16	...	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	69	74.8	+0.3	98	2	57	3	25	10.19	+6.25	4.30	0	13	8	7	16	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	74.8	....	98	2	57	4	30	11.80	....	3.72	0	14	....	...	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	74.0	−0.2	98	2†	55	22	28	5.25	+1.27	1.98	0	15	16	3	12	sw.	John H. Brown.
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	3.25	−1.28	0.57	0	12	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	6.75	....	1.66	0	11	15	4	12	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	6.31	+2.38	2.58	0	12	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	7	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Charles Bishop.
New York, N. Y.	....	10	76	74.7	+0.9	94	2	61	3	20	4.60	+0.36	1.28	0	15	10	5	16	s.	U. S. Weather Bureau.
Philadelphia, Pa.	....	26	70	76.4	+0.2	97	2	61	3	24	5.60	+1.45	2.83	0	13	5	14	12	sw.	U. S. Weather Bureau.
For the State	....	....	....	73.8	0.0	105	2	41	21	43	6.40	+1.71	4.30	0	15	12	8	11	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also § Length of precipitation record: temperature record is much shorter. * Estimated

‡‡ Post office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y

W. B. O. Philadelphia-11-25-41-925

Daily Precipitation for July, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City¹‡	Coast	....	.16	.11	.39	.09	.07	.40	.12	T.	....	T.	T	T.	....	....	T.	1.03	....	.08	.06	....	....	....	....	.08	....	....	1.12	T.	.26	T.	3.97
Barnegat City⁴	Coast	...	.25	.90	.55	.06	.18	.21	.18	...	....	.02	....	...	....	....	T.	.28	....	....	.40	....	....	....	....	....	....	....	.12	T.	.03	T.	3.18
Belleplain	Tuckahoe	....		.54	.51	.42	.09	....	1.14	.02	....	.07	.11	.05	.12	....	....	.63	.30	.02	.56	...	....	....	....	....	....	....	....	.42	....	....	5.00
Belvidere	Delaware	.08	.06	.30	78	....	.15	.23	.71	...	....	.09	.09	....	....	....	....	.78	.10	T.	....	....	....	....	....	....	....	....	.01	.21	1.10	.02	4.71
Berlin	Mullica	....	.41	...	.18	.02	.27	.96	.68	....	....	.16	....	.08	....	....	....	....	....	.02	.06	....	....	....	....	....	....	....	.45	....	....	.24	3.23
Boonton³	Passaic	.20	.33	....	.53	.29	....	.43	.50	T.	....	....	.63	.57	....	...	...	.10	.60	...	.04	....	....	....	....	....	....	....	.45	.29	.08	.13	5.17
Bridgeton	Delaware	....	.06	.15	.70	.25	.25	.78	.03	...	...	.65	....	T.	....	....	...	1.07	.62	....	.51	....	....	....	....	....	....	....	.40	.02	....	...	5.49
Brooklawn	....do	....	1.20	.30	.26	.06	.08	1.21	1.73	.14	...	.03	....	...	....	....	...	.39	.17	.70	.07	....	....	....	....	....	....	....	.13	.14	....	.25	6.86
Burlington	Delaware	....	.85	.23	.69	.14	.70	1.85	.07	.03	....	.06	...	.69	....	..	....	.52	.38	.20	....	....	....	....	....	....	....	....	.74	....	2.40	....	9.55
Canoe Brook³	Passaic	.35	.32	.06	1.00	.30	...	.14	.97	.06	....	....	.12	1.27	...	....	....	.24	.95	...	.39	....	....	....	....	...	..	....	.14	.19	.23	.05	6.78
Cape May⁴	Coast	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	......
Charlotteburg	Passaic	....	T.	....	.72	.20	....	.45	1.30	33	....	...	2.12	.41	...	...	....	.75	....	....	....	....	....	....	....	....	....	...	.35	48	...	.16	7.27
Chatham³	..do	.41	.22	....	1.02	.31	....	.18	1.10	.05	....	...	23	1.42	...	...	....	.12	1.10	....	.20	....	....	....	....	...	....	...	.13	.22	.24	.07	7.02
Chatsworth	Delaware	....	....	.23	.72	....	....	.65	.26	1.35	....	....	.12	....	...	...	....	1.17	1.11	.06	1.22	....	....	....	....	....	....	....	1.00	.12	.03	.33	8.37
Clayton	Delaware	....	....	.28	.57	.10	.16	.85	.68	....	....	.65	...	...	...	...	....	.57	.91	.47	.45	....	....	....	....	....	....	...	....	....	.30	.18	6.17
Culvers Lake	...do	T.	.03	....	.40	....	.	.17	1.07	...	....	.23	.62	....	...	...	....	.75	....	..	....	....	....	....	....	....	....	....	.79	.11	.07	.09	4.33
Dayton	Raritan	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	......
Dover	Passaic	.08	....	.29	.62	..	.21	.50	.18	...	....	1.04	.17	....	...	...	....	1.34	....	.14	....	....	....	....	....	....	....	.19	.29	....	.18	.02	5.25
Egg Harbor City²	Mullica	....	.69	.23	.40	.07	.08	.55	....	....	...	.02	...	.01	...	...	....	.23	.05	....	.17	...	....	....	...	....	....	....	2.20	....	.07	....	4.77
Elizabeth	Coast	....	....	.04	1.30	.01	.03	.23	.70	.03	....	T	....	.95	...	...	...	.56	.28	.57	.21	....	....	....	....	....	....	...	.25	.10	.46	.03	5.75
Flemington	Raritan	.99	...	.15	1.02	.03	.22	.25	.46	....	..	.51	....	.46	...	...	...	.47	.08	.24	.20	....	....	....	....	....	....	....	.05	.07	1.00	.44	6.64
Freehold	.do	2.10	.	.29	1.49	.02	.03	.50	1.64	.23	...	....	....	03	...	...	...	.23	....	.26	....	....	....	....	...	....	....	....	.29	.10	.21	.19	7.61
Hammonton	Mullica	....	....	.28	.70	.06	.18	.52	.14	.12	....	.30	....	T	...	...	...	.28	.18	....	.04	.03	..	....	...	....	....	....	2.17	.02	.02	02	5.06
Hightstown	Raritan	.05	.01	1.78	2.81	.05	.04	1.24	.46	.08	....	.42	...	.21	...	...	...	.37	.03	.05	....	....	....	....	....	....	....	....	.08	.08	.03	.11	8.50
Indian Mills	Mullica	....	1.09	.19	.27	.03	.17	.95	04	1.08	...	.40	...	...	...	...	...	1.29	T.	.83	.13	....	....	..	....	....	....	....	.92	....	T.	.73	8.12
Jersey City	Coast	.06		.08	1.28	...	.03	.31	.40	....	...	.02	T	.60	...	....	T.	.68	.13	T	.55	....	....	....	....	....	....	...	02	.07	.10	....	4.33
Lakewood	Metedeconk	.50	...	.15	.58	.05	.08	.79	.37	1.10	..	.04	.60	.10	...	....	....	.35	...	.13	....	.10	...	....	....	....	....	....	.35	.05	.67	.17	6.18
Lambertville	Delaware	.89	....	.46	1.47	.03	.10	.31	.34	....	....	.13	...	1.43	..	....	...	.34	.04	.43	...	...	...	....	....	....	....	..	.10	.24	1.85	.2·	8.39
Layton(near)	....do	.12	.11	....	.39	....	.04	.64	3.22	....	....	.21	.71	....	..	....	....	.52	....	.11	...	....	....	...	...	.35	....	....	.32	.38	43	60	8.15
Little Falls³	Passaic	2.23	.30	....	.72	.19	....	.13	.89	.01	...	....	.12	.97	...	...	....	.53	.53	...	.24	....	....	....	...	...	....	...	.05	.24	.06	.07	7.28
Long Branch²‡	Coast	T.	.04	.81	1.02	....	.15	.85	.96	..	..	.04	.67	....	...	...	T.	.15	T.	.03	T	..	....	....	...	T.	...	....	.64	...	.29	.17	5.82
Long Valley³	Raritan	...	.03	.05	62	.28	...	.32	.60	.03	....	...	.21	.04	...	...	....	.10	1.14	.03	.41	....	....	....	....	...	....	...	....	.18	.43	60	5.07
Marlton	Delaware	....	1.65	.15	.20	...	.33	1.63	.60	..	....	.47	....	...	...	...	...	T	.44	.08	45	.15	....	....	...	....	....	...	...	88	....	.61	7.64
Millville²‡	Maurice		.04	.08	.50	.18	.15	.81	.03	....	....	.35	....	.05	...	...	....	.68	05	.16	.14	02	....	...	...	...	...	....	.28	01	.01	....	3.54
Moorestown³	Delaware	.18	...	.77	.21	.15	.01	.19	1.82	.24	....	....	.21	05	...	...	....	.26	.60	.23	.55	T.	...	....	....	....	....	....	....	2.34	.12	1.06	8.99
Morris Plains	Passaic	.33	..	.07	.76	T.	.15	.57	.27	....	.	.52	.46	.02	..	T.	....	.80	.12	T.	.07	....	....	....	...	...	...	....	.26	....	.16	.10	4.66
Newark¹	Coast	.05	T.	.34	.75		.05	.48	.21	....	...	.04	.27	....	...	...	....	.72	..	.54	....	....	..	...	....	....	....	.06	.30	...	.27	T.	4.08
New Brunswick	Raritan	.03	T.	.29	1.69	.05	05	.13	75	T.	....	.27	T	1.10	..	....	....	.44	.01	.04	.89	....	....	....	...	..	....	....	.31	....	.44	.61	7.10
New Milford²‡	Hackensack	25	....	24	.56	..	.19	.35	.52	...	...	....	.78	....	...	...	....	1.08	....	.28	....	...	..	....	....	....	....	..	.46	....	.08	.08	4.84
Newton	Delaware	.35	03	.03	.46	.	.04	.35	.18	T.	....	.08	.50	T.	....	...	1.47	....	.02	.12	....	....	....	....	....	...	....	.58	.16	.18	.90	.08	5.53
N. Merchantville²‡	Delaware	....	.42	.01	.41	T	.61	2.42	.35	..	....	.40	T.	....	...	...	....	.69	.31	.59	.01	....	....	....	....	..	....	...	1.21	...	1.09	.22	8.74
Orange²‡	Passaic	.65	....	49	72	..	08	.73	.37	...	....	.14	*	.42	...	...	...	.73	....	.41	...	....	....	....	....	....	....	.14	.17	....	.10	...	5.15
Paterson³	Passaic	.28		.31	.48		.10	.54	27	....	....	.09	.19	....	...	...	...	.98	..	.08	....	....	....	....	....	....	....	T	.38	...	.16	.01	3.87
Pemberton	Delaware	.32	.03	.31	28	.08	.12	.46	1.44	.44	...	.67	...	.02	...	...	...	.46	.54	.02	.07	.13	....	....	...		....	....	.35	.17	.26	2.07	8.24
Phillipsburg	....do	.31	.03	.09	90	.	.31	.15	.32	....	....	.06	.25	....	...	...	....	.88	.61	.06	....	...		....	....	T.	....	..	.25	.03	1.45	1.42	7.12
Plainfield	Raritan	T.	T.	*	1.38	....	.08	1.12	.86	....	....	.02	1.70	.10	...	...	....	.79	T.	.60	.01	....	....	....	....	....	....	....	.17	.08	.28	.12	7.31
Plainsboro	Delaware	1.29	..	66	2.81	.12	T.	.64	.60	....	....	.20	....	1.00	..	...	....	.33	....	.09	...	....	....	....	....	....	....	....	.07	.11	.13	.26	8.31
Pleasantville³	Coast	...	...	26	.19	.36	.02	.15	.63	.01	....	.01	.06	T.	.04	...	...	.09	.50	....	.45	T.	....	....	....	....	....	....	...	1.58	.16	...	4.51
Rahway³‡	Rahway	23	....		1.40	.31	....	.02	.80	.50	....	...	.15	2.11	...	...	....	.20	.70	....	.94	....	....	....	...	....	....	....	T.	.18	.40	.02	7.96
Ridgefield²	Hackensack	.06	...	23	.81	..	.05	.48	.19	....	...	.03	T.	.30	..	...	....	.70	....	.55	.04	..	....	...	....	....	....	...	.10	.28	.07	.07	3.96
Runyon	Coast	.18	....	50	1.70	.20	....	.90	.54	.41	....	.20	...	.03	...	...	....	.33	....	....	.07	....	....	....	....	....	....	..	28	..	.46	.48	6.23
Sandy Hook²‡	Coast	T.	T	2.18	.78		.13	1.70	.51	....	....	.07	.77	....	...	...	T	.21	....	.22	....	....	....	....	....	T	....	.06	.43	T.	.49	.03	7.58
Somerville(near)	Raritan	.07	.02	.12	1.09	.02	.27	.68	.28	.30	...	.90	1.40	.31	...	....	....	.70	.37	.12	.19	....	....	....	....	...	....	....	.03	.12	.46	.85	8.30
Sussex	Hudson	.03	.12	T.	.41	.01	.02	.21	.99	....	....	.38	1.27	....	..	...	...	1.66	.02	.17	....	....	....	....	....	....	....	....	.21	.34	.27	.40	6.51
Toms River	Coast	.48	....	.60	.25	..	.10	.46	.16	1.53	....	.01	2.05	.01	....	....	....	.35	.91	.57	.03	....	....	....	....	....	....	...	...	.10	.17	...	7.73
Trenton¹‡	Delaware	T.	.05	3.00	1.45	...	.44	.97	.28	....	..	.36	.36	....	T.	....	....	.51	.23	.03	T.	....	....	....	....	....	....	....	.31	....	2.20	T	10.19
Trenton No. 2²	Delaware	T.	.06	3.72	1.89	..	.47	1.39	.57	....	....	.24	.25	....	....	....	....	.58	.26	.09	..	....	....	....	....	....	....	....	.34	....	1.93	.01	11.80
Tuckerton	Coast	..	1.98	.08	.16	14	.08	.41	.04	....	..	...	.05	.65	....	....	....	.38	....	.03	.08	.04	....	....	....	....	....	....	1.04	...	.09	....	5.25
Vineland³	Maurice	..	....	.12	.27	.55	.04	.31	57	...	....	...	.19	....	....	....	....	.33	.07	.13	....	.31	...	....	....	....	....	....	....	.36	....	....	3.25
Westfield³‡	Rahway	....	....	....	.90	.24	..	.10	1.56	.22	....	....	....	1.66	....	....	..	.30	.50	....	.46	....	....	....	....	....	....	....	....	....	.16	.65	6.75
Woodcliff Lake²‡	Hackensack	.11	..	.19	.51	..	.20	.39	.73	...	....	....	2.58	....	....	....	....	1.17	....	.11	...	..	....	....	....	....	....	....	.12	....	.18	.02	6.31
Woodstown	Delaware	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y¹‡	Coast	.01	.01	.59	.78	....	.05	.51	.85	....	....	.02	.21	...	...	....	T.	.54	T.	.70	....	....	....	....	T.	.05	....	T.	.10	T.	.17	.01	4.60
Phila., Pa¹‡	Delaware	....	.31	.01	.41	....	.91	2.01	.05	....	....	.12	T.	....	..	....	....	.52	.24	.43	T.	....	....	....	....	....	....	....	.41	....	.17	.01	5.60

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time o observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation	.160	.220	008	.044	.128	.044	.042	.140	.192	.240	.088	.198	.128	.176	.192	.144	.006	.096	.134	.224	.208	.192	.192	.160	.176	.208	.204	.126	.134	.066	.040	4 310
	Wind movement	1	1	3	4	6	1	4	7	10	4	5	3	2	10	6	8	1	9	8	3	3	1	2	2	3	0	2	5	2	1	1	118
Pleasantville³	Evaporation	.320	292	.110	*	.012	118	022	.234	.288	.298	.188	.192	.104	.256	.272	.090	.052	.272	.130	.256	.256	.240	256	.224	.288	224	.520	.300	.224	.128	.096	6.062
	Wind movement	72	39	28	32	7	38	91	47	34	54	66	37	15	17	27	20	12	84	41	15	13	11	19	9	37	40	12	29	19	29	6	1000
Runyon	Evaporation	.180	.240	.260	.020	.200	.030	*	.060	.050	.260	.200	.210	.190	.180	.240	.240	.090	.220	.180	.070	.180	.240	240	.240	.300	.300	.280	.060	.180	.060	.150	5.350
	Wind movement	30	19	28	29	21	17	22	32	26	18	32	13	13	23	22	15	15	8	13	36	22	22	31	20	22	19	2	20	24	25	11	650

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for July, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	79	89	80	66	70	72	72	74	82	78	76	80	76	72	71	73	77	78	75	79	75	78	80	81	80	94	84	96	75	79	86	78.3
	Minimum	70	70	63	61	61	65	69	67	65	67	68	69	69	66	65	64	66	70	69	68	66	65	68	68	70	71	71	70	68	68	69	67.3
Barnegat City‡	Maximum	80	92	73	64	70	70	74	74	81	77	73	76	75	72	70	73	74	77	79	79	77	82	84	84	78	84	79	87	80	80	84	77.5
	Minimum	63	61	56	58	54	52	64	62	61	62	61	63	57	60	63	61	62	65	67	63	61	60	64	65	62	65	66	69	61	64	66	61.9
Belleplain	Maximum	91	96	94	68	74	72	....	84	81	84	85	87	81	76	75	80	82	82	82	81	....	84	83	87	86	91	91	94	82	87	90	83.8[b]
	Minimum	73	75	56	60	58	53	....	68	59	55	65	70	69	67	57	61	65	66	70	63	....	53	56	55	59	70	62	70	65	63	71	63.2[b]
Belvidere	Maximum	96	97	81	65	80	78	83	86	84	89	86	90	80	85	85	84	84	84	85	85	84	88	90	92	91	95	95	93	84	85	84	86.1
	Minimum	70	70	62	61	60	55	67	69	57	52	67	71	61	60	57	57	65	61	71	56	51	53	65	65	63	69	60	69	65	65	69	62.7
Boonton§§	Maximum	95	94	74	64	80	75	80	84	80	84	83	87	83	82	78	79	80	81	82	80	81	85	87	87	87	92	91	89	81	79	81	82.7
	Minimum	70	69	69	61	56	53	59	70	62	55	58	67	66	63	55	57	61	62	64	57	50	53	58	67	61	68	60	68	66	66	67	61.9
Bridgeton	Maximum	97	100	82	70	78	75	78	87	81	87	89	90	82	85	85	83	85	87	87	84	83	86	87	87	89	93	96	100	86	90	92	86.5
	Minimum	74	76	69	60	60	58	69	70	61	60	69	72	71	69	60	61	67	69	73	62	61	59	62	63	64	71	74	73	73	66	73	66.7
Burlington	Maximum	98	100	81	63	78	79	78	87	81	86	88	89	89	80	80	85	84	76	83	78	84	86	88	89	91	95	95	97	81	88	88	85.3
	Minimum	72	77	60	56	60	55	68	71	60	56	56	71	79	60	62	59	65	60	62	62	58	58	66	65	61	70	68	72	67	65	70	64.2
Canoe Brook§§	Maximum	95	83	80	66	81	75	82	86	84	86	82	87	85	74	78	79	80	81	78	81	83	86	87	92	93	92	90	88	81	83	83	83.3
	Minimum	68	68	64	60	55	50	64	70	59	57	63	68	66	65	56	57	64	62	70	55	48	48	61	64	57	66	57	65	65	65	65	61.4
Cape May ‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	93	84	84	68	75	77	78	84	83	84	98	85	83	80	76	78	78	78	84	93	80	84	85	88	89	85	90	99	87	84	80	83.7
	Minimum	66	68	64	52	62	53	44	66	55	47	56	65	62	57	51	64	60	55	67	52	41	44	50	54	58	64	54	65	66	62	65	57.5
Chatsworth	Maximum	100	105	75	68	78	72	72	89	85	90	85	90	80	80	78	81	83	85	88	84	83	86	88	89	93	94	91	95	77	88	89	85.2
	Minimum	79	73	67	61	59	67	68	70	60	73	62	71	68	68	61	58	65	69	77	62	56	52	65	60	60	71	67	70	65	71	70	66.0
Clayton	Maximum	96	99	82	70	78	79	79	87	84	87	87	90	86	82	82	81	84	86	86	85	82	85	85	87	89	91	93	96	89	88	90	86.0
	Minimum	70	75	67	57	68	55	67	68	58	55	64	70	68	65	54	56	63	68	71	61	57	55	63	59	58	70	62	69	64	63	70	63.5
Dover	Maximum	91	93	83	70	78	75	80	84	80	83	82	84	81	80	76	77	79	78	81	79	79	83	85	85	87	90	89	86	79	81	79	81.8
	Minimum	70	70	60	59	57	53	66	70	58	52	62	69	65	60	54	57	62	61	67	57	51	52	66	66	62	69	61	68	64	64	68	61.9
Elizabeth	Maximum	99	98	87	64	85	76	86	94	92	96	98	95	90	89	89	76	82	86	94	93	83	90	91	87	95	95	98	91	84	80	79	88.5
	Minimum	68	70	60	60	57	53	65	69	56	53	63	68	75	65	57	58	64	62	71	58	52	54	63	65	60	61	65	67	65	63	68	62.4
Flemington	Maximum	92	98	90	64	83	79	81	88	84	90	87	91	87	79	79	85	80	80	88	88	86	90	90	90	92	94	96	95	83	88	82	86.2
	Minimum	70	71	62	60	59	56	68	71	59	55	65	71	68	66	58	59	65	66	72	59	56	56	66	66	61	71	68	71	68	65	70	64.5
Freehold	Maximum	94	96	88	67	79	75	79	85	81	90	85	85	82	79	78	79	80	80	85	82	83	86	87	88	91	92	92	89	80	83	82	83.9
	Minimum	71	76	59	56	58	55	62	68	58	57	64	70	66	65	60	59	63	67	63	61	55	56	63	64	61	70	63	70	64	63	68	63.1
Hammonton	Maximum	99	103	82	67	78	73	79	87	85	89	88	90	81	81	81	84	86	88	87	85	83	88	87	89	93	96	95	100	78	88	90	86.5
	Minimum	73	76	63	59	59	55	68	70	64	58	65	70	69	68	59	57	65	69	71	62	57	54	61	61	60	72	63	71	65	64	71	64.5
Hightstown	Maximum	95	97	80	65	80	73	80	85	81	88	85	90	83	79	77	80	82	80	85	83	84	86	88	89	90	93	93	89	82	84	83	84.2
	Minimum	70	74	57	55	58	55	67	69	58	55	63	69	66	66	58	58	64	66	71	60	54	55	64	64	59	69	62	69	64	63	68	62.9
Indian Mills(near)	Maximum	98	100	76	66	78	72	79	87	80	88	88	88	80	81	82	85	84	87	85	82	84	87	87	88	91	95	95	98	79	88	89	85.4
	Minimum	72	70	62	59	59	53	69	70	58	56	67	71	69	67	59	56	65	69	72	61	54	52	60	60	58	72	62	69	65	63	70	63.5
Jersey City	Maximum	96	98	97	67	80	73	80	84	83	88	86	84	85	84	80	80	78	80	86	86	86	86	89	88	91	93	93	88	82	81	81	84.9
	Minimum	71	79	61	61	62	62	65	70	64	65	70	70	68	69	63	64	65	66	73	70	62	65	72	71	69	73	68	74	65	66	61	67.5
Lakewood	Maximum	95	96	85	66	79	73	78	89	81	88	84	87	81	78	75	77	81	79	87	83	81	84	86	86	91	92	89	87	79	84	83	83.4
	Minimum	71	77	65	59	59	53	68	70	57	56	66	66	67	62	59	59	65	68	71	63	55	54	63	64	60	72	64	71	65	64	70	64.0
Lambertville	Maximum	95	96	87	66	79	77	79	86	81	86	85	87	82	81	80	81	81	83	84	82	81	84	87	86	80	93	91	92	79	87	86	84.3
	Minimum	71	72	60	58	59	57	69	71	59	53	67	72	67	61	57	58	65	68	70	69	53	56	65	65	60	69	60	69	68	65	70	64.0
Layton(near)	Maximum	93	95	78	65	82	78	80	85	80	84	84	83	82	83	82	81	80	81	82	82	80	83	88	88	89	91	90	90	81	79	80	83.2
	Minimum	66	62	64	61	56	53	66	66	54	47	60	66	65	56	55	53	64	60	63	51	46	50	62	60	61	65	54	66	65	67	59	59.5
Little Falls§§	Maximum	95	96	74	65	82	75	81	85	83	87	83	89	85	81	80	79	81	81	85	82	82	86	89	89	89	95	93	90	83	81	80	84.1
	Minimum	71	70	67	60	58	56	65	70	61	55	65	68	67	65	58	59	65	62	71	59	52	55	67	68	64	69	62	68	65	66	66	63.7
Long Branch*	Maximum	94	98	74	65	78	73	82	83	81	85	80	84	82	76	73	72	81	77	88	80	78	84	88	86	87	91	86	88	78	85	78	81.8
	Minimum	72	73	58	59	61	56	68	68	60	60	67	69	68	65	64	63	66	69	71	66	58	57	67	68	62	71	69	72	66	66	69	65.4
Long Valley§§	Maximum	94	95	71	65	79	75	80	84	81	86	84	86	82	82	80	80	82	80	84	81	81	85	88	87	90	92	92	92	82	81	80	83.3
	Minimum	70	66	66	59	55	50	56	69	54	49	60	67	65	58	51	56	60	60	64	53	47	49	56	63	59	65	61	65	61	64	63	59.4
Moorestown*	Maximum	95	98	79	68	65	77	79	79	80	86	87	86	79	79	78	82	83	84	85	80	80	82	83	85	87	90	91	95	77	86	85	82.9
	Minimum	73	79	68	58	60	57	69	70	60	58	65	71	68	62	61	58	65	69	70	61	57	58	65	65	61	73	65	70	67	66	70	65.1
Newark*	Maximum	97	97	80	65	84	74	80	85	83	87	83	86	83	81	80	77	79	80	85	82	83	84	89	88	90	93	92	86	80	81	80	83.7
	Minimum	71	73	62	61	64	58	68	71	64	59	67	71	69	69	65	63	66	66	71	65	60	59	67	68	68	72	68	71	65	65	71	66.4
New Brunswick	Maximum	94	96	83	64	81	79	80	84	81	85	85	87	82	79	77	78	79	79	84	83	82	84	87	87	89	92	92	90	86	82	80	83.6
	Minimum	70	74	59	59	58	56	66	70	59	56	65	69	66	66	59	59	64	66	71	74	56	60	69	73	62	72	70	70	66	65	69	65.1
Newton	Maximum	96	94	83	64	82	79	78	83	79	89	84	82	83	82	81	82	....	83	83	79	81	85	89	90	91	92	89	85	83	89	83	84.1[a]
	Minimum	69	67	61	57	54	52	53	62	55	51	63	62	62	56	62	54	....	68	68	53	48	52	64	62	67	57	65	60	63	65	66	59.9[a]
N. Merchantville*	Maximum	97	98	78	66	80	72	80	85	83	88	88	89	81	84	82	85	84	88	87	83	83	85	87	88	90	93	95	97	80	88	89	85.6
	Minimum	74	74	59	59	61	59	69	72	63	61	66	73	70	63	62	61	66	70	71	63	60	61	67	67	64	73	71	70	67	67	71	66.3
Paterson§§	Maximum	96	97	76	66	84	76	82	87	83	88	84	90	86	83	82	80	83	82	86	83	84	87	90	90	92	96	94	92	84	82	80	85.3
	Minimum	70	72	70	60	58	57	60	70	61	59	67	70	67	66	60	60	64	63	65	60	55	57	62	69	66	70	65	70	65	65	66	64.2
Pemberton	Maximum	95	97	77	67	79	78	81	85	82	88	88	89	79	80	80	84	85	84	87	86	84	86	87	90	90	95	94	94	80	87	89	85.4
	Minimum	72	76	67	60	60	54	55	70	60	57	66	72	69	69	62	60	66	70	73	62	58	57	62	64	60	72	65	71	67	64	61	64.9
Phillipsburg	Maximum	94	94	76	62	76	70	79	83	80	85	83	85	78	80	80	80	81	78	82	81	80	85	85	87	86	93	92	88	78	85	80	82.1
	Minimum	70	69	60	58	59	55	68	71	58	53	66	70	67	60	56	58	64	63	69	57	53	54	65	65	62	69	62	68	65	65	69	62.8
Plainfield	Maximum	95	97	84	63	80	72	80	86	82	88	86	88	83	80	80	80	79	81	85	83	83	86	89	88	91	95	93	91	82	82	82	84.3
	Minimum	71	73	61	61	59	57	58	70	61	57	67	70	68	68	59	59	66	66	72	61	56	58	68	68	64	70	68	71	68	67	70	65.2
Pleasantville§§	Maximum	92	97	79	67	73	73	74	82	82	84	80	86	79	80	76	75	80	84	83	82	78	83	85	85	84	95	89	100	76	83	90	82.5
	Minimum	70	70	70	61	58	52	68	68	60	58	67	68	68	67	61	63	64	67	70	63	57	54	59	56	61	69	54	70	65	64	67	63.5
Ridgefield*	Maximum	95	95	72	64	66	75	79	85	82	87	83	87	84	82	83	80	79	81	85	81	83	87	90	89	90	92	93	88	82	78	80	83.1
	Minimum	69	74	60	61	62	60	66	70	61	58	68	71	68	68	61	61	66	64	70	61	55	59	68	70	67	72	67	71	65	66	69	65.4
Runyon	Maximum	94	91	89	64	80	79	78	82	79	83	86	87	85	79	82	82	84	84	81	82	83	84	86	89	92	95	97	89	85	82	79	84.3
	Minimum	68	71	59	56	54	48	49	60	56	52	49	65	61	61	59	52	64	60	61	61	59	51	51	49	54	55	59	65	65	62	61	58.0
Sandy Hook‡	Maximum	93	94	75	65	75	71	79	80	80	83	77	80	81	73	70	71	78	74	84	80	78	84	86	85	88	90	87	82	76	80	73	79.7
	Minimum	67	75	59	61	63	63	69	66	65	65	70	68	66	65	64	64	65	68	71	69	67	65	70	70	69	73	71	70	65	66	67	67.0
Somerville(near)	Maximum	94	94	78	64	81	73	79	85	78	86	85	87	82	79	79	79	80	80	82	80	82	85	87	88	88	91	91	92	78	82	80	82.9
	Minimum	63	60	53	52	58	57	60	62	51	49	57	69	65	58	50	57	70	64	71	59	55	59	65	65	62	70	69	70	65	64	69	61.2
Sussex	Maximum	96	96	81	67	82	84	81	84	81	85	83	87	83	85	82	83	79	82	82	79	81	86	89	90	91	93	92	91	84	78	89	84.7
	Minimum	70	67	65	61	55	52	65	65	59	50	60	67	79	58	57	54	63	58	71	53	47	52	64	64	63	68	56	67	63	66	69	61.5
Trenton*	Maximum	95	98	75	65	78	71	79	86	81	87	85	87	81	78	78	81	80	81	85	81	82	86	86	86	89	94	92	90	78	84	84	83.3
	Minimum	74	74	57	59	61	60	70	71	63	62	67	70	69	65	62	63	65	69	73	66	61	62	68	68	66	72	70	70	66	65	71	66.4
Trenton No. 2*	Maximum	96	98	75	66	79	72	80	87	82	88	86	89	84	80	80	83	81	83	87	83	83	85	88	87	90	94	93	91	80	86	85	84.5
	Minimum	72	73	57	57	59	57	69	70	61	58	67	71	67	63	59	60	65	68	72	63	57	60	67	67	64	72	68	72	66	64	70	65.0
Tuckerton	Maximum	92	98	88	68	73	75	75	83	80	85	80	85	79	78	75	75	78	77	83	83	79	83	86	86	85	95	90	98	80	83	85	82.6
	Minimum	73	74	65	60	59	59	68	70	60	60	68	70	70	68	62	64	65	68	72	65	58	55	60	70	62	70	65	70	65	65	70	65.5
New York, N. Y.*	Maximum	92	94	80	66	78	73	79	81	81	85	80	86	82	80	78	75	80	80	81	80	82	85	84	86	88	90	90	83	80	79	82	81.9
	Minimum	72	76	61	61	62	62	70	70	64	67	70	71	68	67	65	64	65	68	70	68	64	65	69	70	69	72	71	72	65	66	70	67.5
Philadelphia, Pa.*	Maximum	95	97	78	65	77	72	78	86	81	86	87	87	81	80	80	82	81	86	85	82	82	84	84	86	87	94	93	97	78	87	89	84.1
	Minimum	75	75	61	61	62	62	70	73	65	67	70	74	73	67	65	63	66	72	72	69	67	66	69	69	70	75	74	73	68	66	73	68.8

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. AUGUST, 1941. No. 8.

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GENERAL SUMMARY.

Temperatures for August averaged almost normal. The hottest days were the 8th, 9th, 26th and 31st, on which maxima in the nineties were general. There was no extended heat wave, however, and the weather of the month was not particularly oppressive. There were some cool periods. Lowest temperatures occurred on the 13th and 14th, with readings near the record for the season. The lowest shelter reading was 34° at Charlotteburg. In the cranberry bogs, ground temperatures of 32° and light frosts were recorded on the 14th, but no damage resulted. Rainfall for the State was 85% of normal. In the northern half, it averaged slightly above normal, but in the southern counties it was much below normal. Crops continued to do well, however, rainfall having been plentiful in June and July. The heaviest rains were on the 25th and 26th in connection with thunderstorms. Moderate to heavy showers covered the State on the 25th, with amounts near three inches.

A violent windstorm struck at Swedesboro, a few miles east of Wilmington, Delaware, just before 1 p. m. on the 25th, doing heavy damage there, mainly to the Hurff Canning plant. One man was killed and several injured by the wreckage, and damage to this plant was estimated at near $300.000. The storm appears to have risen after striking Swedesboro, and did only moderate damage until it struck in fury again near Woodbridge, about 75 miles northeast. In the Hopelawn community, just southwest of Woodbridge, about two dozen homes were demolished or severely damaged, some of them leveled to the ground. Twenty persons were injured, some of them severely. A funnel-shaped cloud was seen, and the storm was undoubtedly a tornado. The area of great devastation was about 500 feet wide and a mile long. Property damage approached $100,000.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 71.0°, which was 1.0° below normal. The highest temperature was 97° at four stations on the 9th, and one on the 31st, and the lowest, 34°, at Charlotteburg on the 14th. The greatest daily range of temperature was 47° at Charlotteburg on the 14th. The highest monthly mean temperature was 74.6° at Jersey City, and the lowest, 67.0° at two stations.

The temperature departure from the normal for the year, 1941, to date, for the State is 0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 58 stations, was 4.06 inches, which was 0 69 inch below normal. The greatest monthly precipitation was 6.58 inches at Ridgefield, and the least, 1.77 inches at Burlington The greatest amount of precipitation in any 24 consecutive hours was 3.34 inches at Ridgefield on the 25th The average for the Highlands was 4.65 inches. for the Red Sandstone Plain 5.02 inches, and for the Southern Interior 3 15 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −2.34 inches; Red Sandstone Plain, −1.35 inches; Southern Interior, −0.75 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 2, 5, 11, 12. 15, 16, 17, 19, 20, 23, 25, 26, 27, 31.
DENSE FOG: 1, 6, 9, 22, 28, 24, 25.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	29.97	30.38	29	29.59	12	13.6	34	s.	12	77	62	72	75
Long Branch	29 95	30.36	29	29.57	12	12.4	35	nw.	12	75	49	62	79
Ridgefield	29.94	30.36	29	29.56	12	..	....		....	....	....	....	....
Sandy Hook	......	......	....	......	....	......	....	......	....	....	....	....	....
Trenton	29.96	30.37	29	29 60	12	7.9	23	s.	15	74	47	60	81

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	.....	.....	.....	.....
1886	69.5	96	42	2.81	0	.....	.....	.....	.....
1887	70.4	94	42	3.76	0	.....	.....	.....	.....
1888	72.5	98	41	6.13	0	.....	.....	.....	.....
1889	69.6	91	45	5.13	0	.....	.....	.....	.....
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5 32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71 2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	7
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2 75	0	7	20	7	4
1933	72.7	101	45	10 53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	75.2	100	45	6.82	0	14	14	7	10
1938	75.4	100	41	3.09	0	8	18	8	5
1939	75.3	98	50	7.03	0	11	11	9	11
1940	69.4	95	32	5.96	0	12	10	9	12
1941	71.0	97	34	4.06	0	9	20	7	4
Period	72.0	108	32	4.75	0	10	13	10	8

Climatological Data for August, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	73.0	+0.5	89	3	56	13	23	2.93	−1.56	1.92	0	8	16	7	8	s.	U. S. Weather Bureau
Barnegat City	Ocean	36	§21	70.0	....	90	5†	48	22	27	2.85	−1.48	1.16	0	7	13	14	4	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	71.4	−1.0	94	9	41	14	39	3.43	−1.17	2.00	0	6	20	7	4	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	70.4	−0.9	95	8	43	18	40	5.17	+0.60	1.43	0	8	24	4	3	....	Miss C. S. Hixson.
Berlin	Camden	70	....	....	....	....	....	....	....	....	2.68	....	1.50	0	6	27	2	2	....	Samuel H. McCulley.
Boonton	Morris	280	§51	67.8	−2.7	92	9	42	14	37	4.66	−0.03	1.04	0	9	25	2	4	ne.	John Kline.
Bridgeton	Cumberland	30	58	74.2	−0.5	97	9	48	14	36	3.06	−1.61	1.43	0	6	29	1	1	sw.	Bennett K. Matlack
Brooklawn	Camden	30	....	....	....	....		....	....	....	3.83	....	2.25	0	8		....	....	....	C. D. Scott.
Burlington	Burlington	12	§55	73.0	−1.3	96	9	47	14	35	1.77	−4.01	0.60	0	6	26	3	2	sw.	Public Service E. & G. Co.
Canoe Brook ‡‡	Essex	180	11	68.0	−2.7	92	7†	38	14	42	5.25	+0.46	2.54	0	10	25	2	4	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	....	....	....	....	....	....	....	3.80	−0.46	2.52	0	....	....	....	....	....	Naval Air Station.
Charlotteburg‡‡	Passaic	760	49	67.0	−1.3	95	9	34	14	47	4.53	+0.03	1.48	0	10	17	10	4	sw.	Newark Water Dept
Chatham	Morris	185	37	....	....	....	....	....	....	....	5.39	+0.74	2.72	0	9	22	7	2	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	72.9	....	96	9	43	14	41	4.06	....	2.34	0	7	23	6	2	nw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	72.2	−1.1	95	9	43	13	40	2.79	−2.03	0.98	0	6	18	0	13	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	4.07	−0.58	1.37	0	10	....	....	....	....	L. S. Depue.
Dayton	Middlesex	90	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Edward Visinski.
Dover	Morris	600	57	67.6	−1.7	90	9	41	14	35	5.15	+0.65	1.79	0	7	9	14	8	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	4.33	0.00	1.62	0	7	27	2	2	....	Chas. E. Hall.
Elizabeth	Union	34	62	....	....	....	....	43	14	....	4.73	+0.40	1.64	0	9	25	1	5	ne.	Union County Park Comm
Flemington	Hunterdon	140	§55	72.6	−0.2	95	8†	46	14	36	5.92	+1.40	2.41	0	10	26	2	3	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	71.2	...	96	9	46	13	34	3.52	−1.11	0.92	0	9	25	4	2	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	73.1	....	96	9	44	14	39	2.59	−2.29	0.68	0	9	24	5	2	sw.	J. G. Wilson.
Hightstown	Mercer	110	48	71.0	−1.2	94	9	44	14	35	3.03	−1.99	0.81	0	10	22	6	3	n.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	71.4	−1.2	97	9	40	14	41	3.79	−1.74	1.92	0	8	17	11	3	sw.	Edward Entwistle.
Jersey City	Hudson	81	43	74.6	−0.6	96	9	55	13†	30	5.34	+1.01	1.97	0	11	15	13	3	s.	Jersey Journal.
Lakewood	Ocean	54	37	71.4	−0.1	93	9	44	14	37	2.53	−2.66	0.66	0	9	15	13	3	nw.	R. W. Holman.
Lambertville	Hunterdon	75	54	71.2	−1.1	94	9	44	14	36	3.73	−1.07	1.30	0	8	22	7	2	n.	George Bailey.
Layton (near)‡‡	Sussex	480	40	66.9	−1.8	90	8†	38	14	38	2.97	−1.12	0.99	0	7	18	7	6	nw.	A. M. Depue.
Little Falls	Passaic	157	38	70.8	−1.3	94	9	43	14	36	5.64	+0.68	2.24	0	10	24	2	5	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	71.4	−0.1	96	9	48	14	32	2.32	−3.16	0.75	0	10	16	11	4	nw.	Storm Warn. Display Sta
Long Valley	Morris	660	11	67.0	....	92	9	38	14	41	4.65	....	1.69	0	9	25	2	4	sw.	Arthur Barkman.
Marlton	Burlington	90	....	....	....	....	....	....	....	....	4.00	....	2.10	0	8	....	....	....	....	David Griscom.
Millville	Cumberland	60	1	....	....	....	....	....	....	....	2.58	....	1.92	0	7	24	1	6	....	Paul Ritchie.
Moorestown	Burlington	62	78	71.1	−1.6	93	9	46	14	32	2.56	−2.81	0.77	0	10	22	5	4	sw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	....	....	....	....	....	....	....	5.39	....	2.08	0	10	24	4	3	sw.	James C. Long.
Newark	Essex	10	42	71.9	−1.1	95	9	50	14	31	6.20	+1.65	1.99	0	9	6	17	8	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	71.6	−0.6	94	9	46	14	38	3.44	−1.96	1.28	0	10	20	7	4	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	....	5.66	+1.30	2.80	0	10	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	58	68.4^{a}	−2.0	97	31	42	14†	42	4.17	−0.18	0.89	0	10	15	11	5	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	73.6	....	97	9	51	14	31	2.84	....	1.02	0	7	17	11	3	sw.	A. Renleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	6.18	....	2.97	0	8	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	70	71.6	−0.6	95	9	46	14	35	4.80	+0.17	1.92	0	9	25	2	4	w.	J. W. Cook.
Pemberton	Burlington	55	11	73.2	−1.2	96	9	46	14	35	2.66	−2.84	0.82	0	8	19	8	4	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	69.0	−2.8	90	8†	44	14	35	4.80	+0.40	1.39	0	8	17	9	5	....	Town Engineer.
Plainfield	Union	120	53	71.6	−0.2	95	9	47	14	34	3.82	−1.28	2.03	0	9	12	17	2	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	....	....	....	....	....	....	....	3.51	....	1.06	0	10	....	....	....	....	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	70.4	−1.8	93	26	41	14	39	4.12	−0.54	2.63	0	8	24	3	4	s.	N. J. Water Policy Comm.
Rahway	Union	20	1	....	....	....	....	....		....	3.89	....	1.30	0	6	21	4	6	....	Louis Fontenelli.
Ridgefield	Bergen	80	24	71.1	−0.7	93	9	48	14†	31	6.58	+1.67	3.34	0	10	16	12	3	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	68.4	−3.3	95	8	36	14	45	3.42	−1.55	1.06	0	9	22	8	1	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	72.6	−0.1	93	9	57	13	23	2.71	−2.27	1.34	0	8	12	15	4	nw.	U. S. Coast Guard.
Somerville (near)	Somerset	385	58	70.3	−2.0	91	9	46	14†	36	5.36	+0.44	1.87	0	9	20	9	2	w.	Richard H. Rogers.
Sussex	Sussex	450	46	68.2	−1.8	91	9†	39	14	39	3.48	−0.52	1.54	0	9	19	8	4	nw.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	2.33	−3.28	1.00	0	9	....	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	69	72.6	−0.4	94	9	53	14	27	2.26	−2.49	0.61	0	7	12	15	4	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	72.4	.	95	9	48	14	32	3.03	....	0.81	0	6	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	72.6	−0.1	96	9	46	14	34	4.54	−0.76	1.46	0	10	19	6	6	sw.	John H. Brown
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	3.54	−0.95	1.39	0	7	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	4.27	....	1.90	0	9	24	3	4	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	5.85	+1.70	1.62	0	10	....	....	....	....	Hackensack Water Co
Woodstown	Salem	16	7	....	....	....	....	....	....	....	6.56	....	2.71	0	10	20	4	7	sw.	Geo. S. Keen
New York, N. Y.	....	10	76	72.7	−0.4	92	9	55	13	23	5.32	+0.99	2.27	0	8	15	14	2	n.	U. S. Weather Bureau
Philadelphia, Pa.	....	26	70	75.3	+0.5	96	9	58	13	24	2.59	−2.03	1.24	0	5	14	14	3	n.	U. S. Weather Bureau.
For the State	....	....	....	71.0	−1.0	97	9†	34	14	47	4.06	−0.69	3.34	0	9	20	7	4	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also § Length of precipitation record: temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville· Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Pleasantville Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y

W. B. O. Philadelphia-12 19 41-925

Daily Precipitation for August, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast		T.			.36	T.					T.	.03			.16	.09			1.64	.33					.31		.01					2.93
Barnegat City[4]	Coast		.20										.08			.18	.03			1.15	.05					1.16							2.85
Belleplain	Tuckahoe												.09				.17			.55	2.00					.55		.07					3.43
Belvidere	Delaware	.83										T.	.60			.64	.12			.53						1.43	.80					.22	5.17
Berlin	Mullica					.13							.14				.12			.60				.21		1.50							2.68
Boonton[3]	Passaic	.11	1.04										.47				.12	.09		.26	.12					T.	1.01	.84					4.66
Bridgeton	Delaware					.03							.12			.15				1.43	1.10					.23							3.06
Brooklawn	....do	.27				.11							.11			.38	.08			.34						2.25	.29						3.83
Burlington	Delaware												.18			.40				.23	T.					.60		.24				.12	1.77
Canoe Brook[3]	Passaic	.12	.21										.39				.40	.09		.24	.15					.11	2.54	1.00					5.25
Cape May[4]	Coast					.02							.21			.46	.13			2.52	.16					.21		.09					3.80
Charlotteburg	Passaic	.22											.20			.35	.75	.04		.34				.03		1.06		1.48				.06	4.53
Chatham[3]	..do	.12	.21										.39				.44	.10		.22	.15						2.72	1.04					5.39
Chatsworth	Delaware					.55							.10			.22				.40	.25					2.34		.20					4.06
Clayton	Delaware					.98							.18			.19				.73	.36					.35							2.79
Culvers Lake	...do	.17				.25										.43	1.37	.28			.22		T.			.68	.38	.24				.05	4.07
Dayton	Raritan																																
Dover	Passaic	.38											.33			.34	.59			.37						1.79	1.35						5.15
Egg Harbor City[2]	Mullica					1.00							.09			.21	.04			1.62	.10					1.27							4.33
Elizabeth	Coast	.10	.12			T.							.29			.30	T.	.12		.36	.23					1.64	T	1.57				T.	4.73
Flemington	Raritan	.40	.70										.21			.32		.27		.57	.06					2.41	.55					.43	5.92
Freehold	.do	.92											.67			.21		.16		.09	.02					.50		.47				.48	3.52
Hammonton	Mullica	.03				.65							.13			.16	.04	.09		.68	.56					.25							2.59
Hightstown	Raritan	.27	.08										.22			.30		.17		.34	.01					.74		.81				.09	3.03
Indian Mills	Mullica	T.				.27							.13			.40		.06		.56	.18					1.92		.27					3.79
Jersey City	Coast	.07	.70										.33			.18	.05	.01		.52	.09					.32	1.10	1.97				T.	5.34
Lakewood	Metedeconk		.54										.13			.18		.18		.16	.15					.66		.48				.05	2.53
Lambertville	Delaware	.12											.15			.45		.18		.45	.01					1.07		1.30				T.	3.73
Layton(near)	....do	.45											.20			.46	.99			.24						.55	.08						2.97
Little Falls[3]	Passaic	.28	.04										.42				.71	.27		.27	.09					.10	2.24	1.22					5.64
Long Branch[2]‡	Coast	.14	.03				T.					.01	.30			.21	.09			.16						.53	.75					.10	2.32
Long Valley[3]	Raritan	.22	.02										.54				.76	.23		.29	.34						1.69	.56					4.65
Marlton	Delaware	.27					.21						.16				.48			.24	.19						2.10	.35					4.00
Millville[2]‡	Maurice												.04			.33	.01			1.92	.12					.14		.02					2.58
Moorestown[3]	Delaware	.21	T.				.01						.11				.37			.23	.09				.32	.01	.77	.44					2.56
Morris Plains	Passaic	.70	.34										.51			.29	.08	.16		.27	.11					2.08		.85					5.39
Newark[1]	Coast	.14										.10	.14			.20	.05			1.65	.03					1.90	1.99						6.20
New Brunswick	Raritan	.16	.01										.15			.14		.18		.37	.07					1.28		1.07				.01	3.44
New Milford[2]‡	Hackensack	.38	.10									.05	.13			.24	.54	.02		.39						2.80	1.01						5.66
Newton	Delaware	.21	.90										.30			.49	.16	.01		.40						.79	.89	.02					4.17
N. Merchantville[2]‡	Delaware					T.						T.	.19			.65				.38				.13		1.02	.46					.01	2.84
Orange[2]‡	Passaic	.84										.23	.14			.22	.33			.38						2.97	1.07						6.18
Paterson[3]	Passaic	.20	.21									.15	.18			.26	.45			.35						1.92	1.08						4.80
Pemberton	Delaware	.03	T.			.30							.09			.39	T.			.21	.11			T.		.83		.70					2.66
Phillipsburg	....do	T.	.84									T.	.25			.58	.33			.87						1.39	.33					.21	4.80
Plainfield	Raritan	.05	.18									T.	.27			.04	.06	T.		.23						2.03	.92					.04	3.82
Plainsboro	Delaware	.34	.05										.19			.36	T.	.17		.26	.21					.82	1.06					.05	3.51
Pleasantville[3]	Coast			.01			.54						.01				.14			.66	2.63	.01					.12						4.12
Rahway[3]‡	Rahway	.09											.29				.37				.64						1.30	1.20					3.89
Ridgefield[2]	Hackensack	.27	.06									T.	.51			.18	.40			.39	.08					3.34	1.29	.06					6.58
Runyon	Coast	.18	.07										.35			.29	T.	.23		.39	T.					.82	T.	1.06				.03	3.42
Sandy Hook[2]‡	Coast	.07	T				T.					.01	.24			.23	.06			.37						.39	1.34						2.71
Somerville(near)	Raritan	.14	.29										.26			.33		.41		.64						1.87		.94				.48	5.26
Sussex	Hudson	.22											.22			.45	1.54	T.		.29	.01		T.			.51	.06	.18					3.48
Toms River	Coast	.15	.25										.10			.18	.06	.14	.18							1.00	.27						2.33
Trenton[1]‡	Delaware	T.				T.						.01	.25			.36	.12			.33	T.					.58	.61					T	2.26
Trenton No. 2[2]	Delaware	T.				T.						T.	.31			.67	.15			.35	T.					.81	.74					T	3.03
Tuckerton	Coast		.61			.09	.08						.08			.09	.10	.05		.68	1.30					1.46							4.54
Vineland[3]	Maurice						.09						.10				.21			.77	1.39	T.					.96	.02					3.54
Westfield[3]‡	Rahway	.04	.02										.25				.25	.10		.38	.16						1.90	1.17					4.27
Woodcliff Lake[2]‡	Hackensack	.17	.06									.09	.09			.31	1.64			.25			.52			1.62	1.10						5.85
Woodstown	Delaware		.30		.15	.25	.02	2.71	1.10									.50		.40	.40								.70				6.56
New York, N. Y[1]‡	Coast	.74	T.									.11	.20			.19	.07			.63						1.11	2.27						5.32
Phila., Pa[1]‡	Delaware					T.							.15			.54				.27	T.					1.24	.41						2.59

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch.

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.146	.192	.224	.192	.160	.192	.224	.160	.160	.224	.230	.240	.224	.128	.048	.154	.224	.080	.054	.176	.160	.096	.096	.158	.188	.168	.112	.176	.128	.128	.160	5.002
	Wind movement	1	1	3	2	0	1	0	2	2	6	1	12	11	4	5	10	8	6	1	2	2	2	1	4	2	8	14	4	3	6	.5	129
Pleasantville[3]	Evaporation	.144	.170	.320	.224	.156	.320	.320	.096	.160	.416	.170	.368	.320	.320	.076	.224	.192	.244	**	.170	.224	.160	.160	.160	.056	.256	.320	.192	.224	.096	.320	6.797
	Wind movement	12	6	24	18	25	2	....	23	49	46	67	71	49	69	117	55	35	90	*	42	15	11	8	27	72	19	52	27	36	60	37	1164
Runyon	Evaporation	.180	.180	.240	.240	.240	.220	.220	.220	.220	.240	.240	.050	.210	.220	.110	.180	.230	.210	.270	.120	.180	.180	.180	.220	.040	.240	.100	.240	.240	.180	.190	6.050
	Wind movement	7	12	13	5	6	11	13	12	16	13	14	18	20	26	22	34	31	10	11	19	14	10	11	14	16	27	48	13	12	30	44	552

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed

Daily Temperatures for August, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	77	83	89	87	86	81	81	87	86	87	79	88	74	75	74	86	79	75	73	78	77	77	82	76	76	87	80	72	74	75	84	80.2
	Minimum	68	70	66	66	71	69	66	70	73	70	62	65	56	59	70	69	62	61	65	66	60	66	70	67	70	69	64	57	59	67	68	65.8
Barnegat City‡	Maximum	78	82	86	82	90	80	80	90	83	86	77	86	74	76	77	82	77	74	70	76	76	75	77	78	74	89	78	71	73	76	87	79.4
	Minimum	66	67	63	64	69	64	66	68	69	63	61	58	54	52	64	57	57	54	62	60	58	48	60	55	66	63	58	53	52	60	68	60.6
Belleplain	Maximum	89	88	88	86	85	85	86	89	94	93	85	88	85	80	81	85	85	82	82	77	81	80	82	83	83	90	90	77	76	84	89	84.8
	Minimum	66	66	60	54	61	64	54	55	64	67	49	69	47	41	59	67	54	43	64	66	51	50	64	58	68	70	68	42	42	54	65	58.1
Belvidere	Maximum	90	89	87	89	90	87	89	95	94	86	85	84	77	75	75	83	80	78	75	80	82	81	87	88	80	92	79	78	80	89	92	84.4
	Minimum	70	68	57	56	63	59	53	55	57	65	49	64	49	44	55	66	46	43	63	57	47	53	58	54	62	67	61	44	45	55	67	56.5
Boonton§§	Maximum	87	86	85	85	88	83	85	90	92	81	81	83	69	75	75	78	78	75	73	77	81	79	84	83	77	88	74	73	75	83	88	81.0
	Minimum	69	65	60	57	63	60	54	55	55	55	49	57	49	42	49	58	58	44	47	59	48	50	57	51	57	64	63	44	44	46	61	54.5
Bridgeton	Maximum	90	90	89	88	93	88	88	93	97	87	87	88	83	84	84	85	79	83	80	77	83	81	86	88	83	94	85	78	81	88	95	86.3
	Minimum	71	71	64	60	67	66	60	61	67	71	57	69	50	48	64	64	59	51	65	65	57	56	66	62	68	71	70	52	50	56	67	62.1
Burlington	Maximum	87	90	91	88	89	90	88	92	96	93	80	89	87	82	81	84	84	76	79	78	82	73	81	82	82	93	89	74	75	85	83	84.6
	Minimum	68	71	64	61	72	71	61	60	62	71	59	58	.3	47	56	69	58	51	65	65	56	56	61	58	66	72	67	48	52	58	68	61.4
Canoe Brook§§	Maximum	86	87	86	85	85	85	92	89	92	84	75	84	70	78	77	79	76	77	69	79	80	79	85	83	80	91	79	74	78	85	87	81.8
	Minimum	68	64	53	52	59	54	50	51	51	65	48	63	45	38	53	65	54	40	61	57	45	56	53	51	56	66	63	41	43	53	66	54.3
Cape May‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	88	87	84	84	85	87	85	89	95	88	80	81	79	74	74	76	76	75	74	72	80	79	84	85	84	89	89	76	76	84	90	82.2
	Minimum	61	63	54	54	56	53	47	46	48	65	41	59	45	34	52	63	54	37	58	52	40	51	51	44	57	65	60	38	36	51	67	51.7
Chatsworth	Maximum	88	88	86	91	93	86	88	92	96	85	86	87	85	84	84	82	80	81	77	79	83	82	87	86	81	94	87	76	83	88	94	85.8
	Minimum	67	68	60	66	68	62	64	54	59	68	50	68	50	43	65	67	56	45	65	63	52	52	62	67	67	69	71	48	44	51	65	60.0
Clayton	Maximum	86	88	87	86	92	86	87	90	95	91	85	87	83	81	80	82	77	81	77	79	82	81	87	87	84	93	87	75	81	87	93	85.1
	Minimum	69	67	60	58	62	62	58	56	62	67	52	66	43	44	53	64	55	45	63	62	53	53	62	59	75	67	73	52	46	63	68	59.3
Dover	Maximum	85	86	83	84	86	83	83	88	90	81	78	82	71	73	73	77	74	73	73	78	77	77	84	81	76	87	75	70	73	86	87	79.8
	Minimum	68	66	59	56	62	59	55	54	55	61	47	61	46	41	54	59	53	44	62	58	47	53	57	50	58	67	55	43	43	52	68	55.3
Elizabeth	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	68	61	50	58	62	58	55	56	58	66	50	64	46	43	54	65	55	45	51	48	50	54	46	54	61	65	52	44	47	54	65	55.0
Flemington	Maximum	89	89	85	89	92	84	90	95	95	92	86	86	81	82	81	83	77	81	79	78	86	82	90	90	81	94	85	81	83	90	95	86.2
	Minimum	70	65	60	59	66	64	58	59	59	69	53	65	48	46	55	68	57	49	64	60	52	55	58	56	63	69	65	47	48	57	68	59.1
Freehold	Maximum	85	87	85	86	90	84	85	90	96	90	83	84	86	80	79	80	79	76	73	78	82	80	83	81	79	92	87	77	77	87	92	83.5
	Minimum	68	67	59	58	64	61	56	59	64	66	50	64	46	48	57	66	55	47	64	62	52	56	61	56	65	71	65	48	47	57	68	58.9
Hammonton	Maximum	85	89	85	87	93	86	88	91	96	88	81	87	81	83	82	85	80	81	77	79	83	82	87	86	80	94	87	78	82	89	95	85.4
	Minimum	70	68	63	59	67	62	58	64	72	70	53	52	50	44	57	67	56	46	65	64	53	54	64	59	67	71	69	45	46	73	77	60.8
Hightstown	Maximum	86	88	85	86	89	86	88	91	94	86	85	85	76	79	79	80	77	80	74	78	82	83	87	87	80	90	84	75	81	85	91	83.8
	Minimum	68	67	60	57	65	60	55	58	61	67	51	66	47	44	57	67	55	46	63	61	51	53	58	54	63	70	65	46	47	56	67	58.2
Indian Mills(near)	Maximum	84	83	87	87	91	87	88	91	97	86	85	86	74	81	80	82	78	80	76	78	83	81	87	88	80	92	82	77	81	87	93	84.4
	Minimum	70	69	59	56	65	60	55	58	63	70	47	69	44	40	57	67	58	43	64	64	49	52	65	56	68	70	65	42	44	56	67	58.5
Jersey City	Maximum	80	89	88	89	91	91	90	93	96	94	86	85	85	78	79	81	81	77	74	78	79	78	85	85	80	92	80	76	76	86	93	84.4
	Minimum	67	71	68	67	73	67	63	67	69	73	60	70	55	55	64	70	61	55	66	65	57	67	66	62	68	73	67	55	55	63	72	64.9
Lakewood	Maximum	83	89	84	85	88	85	85	89	93	84	81	87	78	81	80	83	77	76	75	79	80	80	86	82	78	91	87	77	78	87	92	83.2
	Minimum	69	67	59	58	63	62	57	58	66	66	53	69	48	44	59	68	54	57	65	64	53	53	62	57	66	70	67	45	47	56	68	59.7
Lambertville	Maximum	85	89	86	86	89	86	86	90	94	88	81	86	81	80	78	81	80	78	77	79	81	80	86	85	82	92	86	75	78	86	92	84.0
	Minimum	71	67	58	56	63	59	55	56	59	66	49	66	47	44	59	69	57	46	65	60	50	55	58	54	65	70	66	46	46	57	67	58.3
Layton(near)	Maximum	87	85	85	85	88	84	86	90	90	80	80	82	70	76	70	79	73	74	70	77	80	78	83	82	78	90	73	73	76	88	90	80.7
	Minimum	67	66	52	51	61	52	49	59	54	65	42	62	42	38	56	60	54	40	60	51	44	49	55	51	56	65	52	40	41	50	63	53.1
Little Falls§§	Maximum	89	89	87	88	91	85	88	91	94	84	83	85	73	78	77	80	76	78	75	80	83	79	86	84	81	90	77	77	78	86	92	83.4
	Minimum	68	67	60	57	64	60	56	57	58	58	50	64	48	43	60	66	57	45	63	60	50	58	58	54	60	67	64	45	47	57	71	58.1
Long Branch*	Maximum	79	87	87	87	86	84	84	91	96	81	76	86	73	80	78	81	76	72	72	77	76	76	85	79	78	93	77	72	75	87	93	81.5
	Minimum	69	69	65	62	66	64	60	62	65	65	61	64	53	48	61	65	57	50	66	62	56	58	62	62	69	67	62	49	52	59	70	61.3
Long Valley§§	Maximum	87	86	85	86	88	84	81	90	92	84	83	84	72	70	75	79	75	71	74	77	80	79	85	85	79	89	76	75	78	85	90	81.4
	Minimum	68	64	57	56	60	56	51	50	51	60	45	52	47	38	49	61	53	42	49	57	44	50	54	47	55	65	60	40	41	47	58	52.4
Moorestown*	Maximum	83	85	83	84	87	83	84	89	93	82	81	83	71	78	78	81	74	79	74	75	80	80	85	85	80	90	76	74	78	84	90	81.6
	Minimum	71	71	62	61	67	64	57	62	66	69	53	69	51	46	56	68	58	48	65	64	59	56	61	57	65	72	68	47	48	55	64	60.6
Newark*	Maximum	83	86	85	87	90	83	87	91	95	83	82	84	70	77	78	78	75	74	74	78	79	77	85	80	78	92	77	75	75	86	91	81.8
	Minimum	71	71	68	64	69	66	64	62	64	66	60	62	55	50	61	63	60	52	64	65	56	58	62	60	67	68	62	51	53	59	70	62.0
New Brunswick	Maximum	85	86	85	86	88	87	87	90	94	87	83	85	80	78	79	80	75	78	74	77	81	31	85	82	80	90	87	75	78	85	90	83.2
	Minimum	69	67	72	62	64	64	58	58	62	67	57	65	50	46	60	68	56	48	63	61	53	55	60	58	64	71	66	47	51	47	67	59.9
Newton	Maximum	85	85	83	90	87	83	91	95	82	82	82	82	73	76	70	79	72	76	72	76	80	78	81	85	78	89	72	....	74	85	97	81.3ᵃ
	Minimum	65	63	56	55	68	53	64	53	67	48	67	60	46	42	54	58	53	43	58	53	46	54	55	51	59	64	59	....	42	44	64	55.5ᵃ
N. Merchantville*	Maximum	87	89	87	87	91	87	87	92	97	86	85	87	74	82	80	84	77	81	76	80	82	82	87	87	82	92	77	77	81	88	92	84.6
	Minimum	71	72	67	65	69	68	62	63	68	65	58	61	55	51	58	67	58	53	65	61	58	60	65	62	67	70	61	53	53	61	70	62.5
Paterson§§	Maximum	90	90	89	88	92	90	90	93	95	86	84	85	74	79	79	80	77	79	75	81	83	80	87	85	79	93	77	77	80	87	94	84.5
	Minimum	68	67	63	62	66	64	60	59	61	67	55	62	52	46	53	65	58	48	53	62	62	58	60	55	60	66	64	47	48	52	61	58.8
Pemberton	Maximum	85	89	87	87	90	87	88	91	96	95	85	87	84	81	80	84	82	82	76	84	83	82	87	88	84	92	90	77	83	87	92	86.0
	Minimum	71	68	60	59	66	65	58	59	64	70	53	68	50	46	58	67	57	49	64	63	54	55	63	58	67	72	68	49	49	57	67	60.5
Phillipsburg	Maximum	84	86	84	85	87	85	84	90	90	83	80	81	72	76	72	80	74	75	71	75	79	77	85	82	77	88	74	75	76	84	87	80.6
	Minimum	70	66	60	59	64	60	58	56	55	61	51	64	53	44	55	63	54	47	64	58	50	54	58	53	63	68	58	46	46	56	65	57.5
Plainfield	Maximum	84	89	87	88	90	87	88	92	95	86	84	87	74	79	78	79	77	78	71	79	82	81	85	83	76	89	77	75	79	86	92	83.1
	Minimum	69	68	62	61	65	64	60	60	61	70	55	66	53	47	57	67	58	50	62	58	55	58	61	58	63	67	65	49	51	59	67	60.2
Pleasantville§§	Maximum	78	85	87	88	92	85	85	89	91	86	80	88	75	80	79	85	78	78	78	80	78	77	83	80	78	93	79	73	77	84	90	82.5
	Minimum	70	67	59	57	62	63	58	60	60	70	52	57	46	41	60	68	48	43	58	65	53	52	61	60	68	70	68	47	45	55	63	58.3
Ridgefield*	Maximum	87	88	87	87	90	85	88	92	93	85	83	85	72	78	77	80	77	77	75	78	82	79	85	84	74	91	77	76	78	87	92	82.9
	Minimum	68	68	63	60	67	62	59	62	62	62	54	60	51	48	60	62	56	48	64	61	53	57	61	52	63	69	54	48	50	60	69	59.3
Runyon	Maximum	85	87	88	89	91	85	87	95	94	91	84	83	83	81	78	83	80	78	80	76	74	82	85	85	79	90	86	79	80	89	91	84.5
	Minimum	63	56	51	54	51	49	47	52	51	56	61	62	47	36	53	53	53	39	61	61	46	49	51	52	54	60	65	38	41	55	54	52.3
Sandy Hook‡	Maximum	79	86	84	85	87	82	83	90	93	83	75	83	71	80	77	78	76	71	77	76	72	74	83	75	76	88	76	74	72	83	88	79.9
	Minimum	68	69	68	68	70	71	69	67	70	69	66	62	57	58	66	64	62	61	66	65	63	63	65	66	68	69	62	58	61	63	70	65.3
Somerville(near)	Maximum	86	86	83	85	88	85	86	90	91	82	82	79	71	78	77	78	76	78	73	79	81	80	86	85	80	80	75	73	75	85	90	81.4
	Minimum	69	66	60	62	66	59	61	59	63	65	52	63	47	46	59	64	54	49	62	59	54	54	69	63	61	68	63	46	49	57	67	59.2
Sussex	Maximum	87	87	85	86	89	84	87	90	91	85	83	82	73	75	73	72	74	76	73	78	80	81	84	84	77	90	74	74	78	85	91	81.5
	Minimum	69	67	55	53	62	53	50	51	54	63	45	63	45	39	57	65	56	41	62	57	43	53	55	48	58	68	60	46	41	53	66	54.8
Trenton*	Maximum	84	88	85	86	88	85	86	91	94	83	80	85	71	79	78	81	75	78	74	77	81	79	86	87	82	92	76	74	79	85	92	82.6
	Minimum	71	71	66	64	68	67	64	64	68	64	59	62	54	53	61	65	59	55	65	62	59	59	64	62	66	70	61	54	54	60	69	62.6
Trenton No. 2*	Maximum	85	88	86	87	89	88	87	91	95	84	82	85	73	80	80	83	77	79	74	78	82	81	86	87	83	94	84	77	79	86	92	83.9
	Minimum	71	69	63	61	67	64	60	62	65	64	55	67	51	48	59	65	58	50	65	62	55	55	61	58	66	71	67	50	50	59	68	60.8
Tuckerton	Maximum	79	85	87	87	90	84	85	90	96	88	81	90	79	80	78	86	79	77	76	80	78	79	84	80	80	93	80	78	77	85	93	83.4
	Minimum	63	70	69	58	67	67	58	62	65	68	56	70	48	46	62	70	55	50	65	65	55	55	66	60	70	70	68	50	58	58	68	61.7
New York, N. Y.*	Maximum	85	87	85	86	90	83	86	88	92	82	80	83	70	76	77	79	75	74	73	76	79	76	82	80	77	89	75	75	76	82	88	80.8
	Minimum	69	70	68	67	70	69	67	68	71	69	62	60	55	56	65	64	59	58	64	64	63	65	65	68	68	67	62	57	60	62	70	64.6
Philadelphia, Pa.*	Maximum	86	90	89	89	90	88	86	92	96	87	83	85	75	79	79	84	77	79	75	79	81	80	86	87	82	91	79	78	79	86	91	84.1
	Minimum	72	73	69	69	72	72	68	69	72	70	64	63	58	61	63	69	62	61	65	67	64	63	68	69	69	71	65	60	60	63	70	66.5

ᵃ, ᵇ, ᶜ, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.
VOL. XLVI. SEPTEMBER, 1941. No. 9.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

Temperature for September averaged slightly above normal. High readings were registered on the 1st, 6th, 7th, 9th, 10th, 16th, 17th and 23d. Most stations recorded their monthly highest on the 10th, 16th, 23d, and temperatures reached 95° or higher at numerous stations. Freezing temperatures and killing frosts were recorded at several northern stations on the 30th. There were, however, no generally killing frosts over the State. The cranberry crop remained uninjured at the close of the month, though frost occurred on several mornings in the bogs.

This September was noted especially for a lack of rainfall. After moderate rains on August 27th, most stations had no rain of importance through September. Seven stations recorded no measureable rainfall during the month. The State average of 0.28 inch is the lowest of record not only for September but for any month in New Jersey. The previous low monthly average was 0.31 inch in October, 1924, while September, 1914, ranks as third driest with an average of 0.37 inch. At most stations, the monthly totals were the least ever recorded thus far. The dry weather was injurious to late vegetable crops and tree fruits which failed to attain proper size in some localities, and ripened prematurely. Pastures dried up and streams were low. It was also too dry for plowing and fall seeding. Field corn was apparently unhurt as the crop is reputed to be the best in this State for several years. There were no destructive storms of any kind.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 67.5°, which was 1.7° above normal. The highest temperature was 98° at two stations on the 1st and 16th, and the lowest, 26°, at two stations on the 30th. The greatest daily range of temperature was 51° at two stations on the 22d and 23d. The highest monthly mean temperature was 71.6° at Bridgeton, and the lowest, 62.7° at Dover.

The temperature departure from the normal for the year, 1941, to date, for the State is +0.2°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 60 stations, was 0.28 inches, which was 3.51 inches below normal. The greatest monthly precipitation was 1.42 inches at Boonton, while three stations recorded no precipitation at all. The greatest amount of precipitation in any 24 consecutive hours was 0.72 inches at Boonton on the 5th. The average for the Highlands was 0.54 inches, for the Red Sandstone Plain 0.27 inches, and for the Southern Interior 0.20 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −5.61 inches; Red Sandstone Plain, −4.74 inches; Southern Interior, −4.07 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 5, 7, 10, 11.
DENSE FOG: 4, 5, 9, 10, 20, 21, 22, 23, 25, 28.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.12	30.44	14	29.71	6	14.7	30	ne.	19	77	61	74	80
Long Branch	30.10	30.44	14	29.65	6	12.1	39	w.	7	75	46	63	83
Ridgefield	30.09	30.44	14	29.66	6		...	...	...	...	...	...	...
Sandy Hook	...	...	...	...	...	...	...	...	...	...	...	...	...
Trenton	30.11	30.44	14	29.71	5	8.0	24	w.	7	77	45	61	86

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	...	...	...	...
1886	66.9	95	36	1.13	0	...	...	...	...
1887	61.6	90	30	3.66	0	7	...	...	...
1888	63.1	84	29	7.09	0	12	...	...	...
1889	64.8	90	34	8.36	0	14	...	...	...
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	**109**	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	**23**	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	**0.37**	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	**61.5**	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	**70.5**	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63.2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63.4	98	29	2.63	0	6	19	5	6
1938	63.6	95	30	**9.67**	0	13	12	7	11
1939	66.5	98	31	1.49	0	8	15	9	6
1940	63.5	93	25	4.41	0	5	17	6	7
1941	67.5	98	26	0.28	0	2	21	6	3
Period	65.8	109	23	3.79	0	8	15	8	7

Climatological Data for September, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	69.1	+2.3	94	1	50	30	25	0.01	−2.64	0.01	0	1	15	12	3	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	67.2	......	98	1	47	30	34	0.05	−3.95	0.05	0	1	14	11	5	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	67.6	+1.2	92	1	37	13†	43	T.	−3.38	T.	0	0	26	2	2	sw.	Mrs. Edward C. Hoffman.
Belvidere	Warren	289	50	66.8	+1.7	92	1†	35	30	47	0.54	−3.20	0.31	0	3	22	4	4	......	Miss C. S. Hixson.
Berlin	Camden	70	....	.....	......	.....	.....	.....	.....	....	0.21	....	0.15	0	3	29	1	1	......	Samuel H. McCulley.
Boonton	Morris	280	§51	63.8	+0.3	90	23	32	30	47	1.42	−2.43	0.72	0	2	20	4	6	ne.	John Kline.
Bridgeton	Cumberland	30	58	71.6	+3.3	95	1†	43	30	39	0.00	−3.31	0.00	0	0	29	0	1	se.	Bennett K. Matlack
Brooklawn	Camden	30	....	.....	......	.....	.....	.....	.....	....	0.23	....	0.15	0	2	....	....	....	......	C. D. Scott.
Burlington	Burlington	12	§55	70.4	+2.7	96	10	43	13	40	0.40	−3.16	0.33	0	2	27	2	1	nw.	Public Service E. & G. Co.
Canoe Brook ‡‡	Essex	180	11	64.6	+0.8	93	9	30	30	49	0.27	−4.89	0.26	0	2	19	6	5	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	.....	......	.....	.....	.....	.....	....	0.14	−2.86	0.14	0	1	....	....	....	......	Naval Air Station.
Charlotteburg‡‡	Passaic	760	49	63.9	+1.6	89	1†	26	30	50	0.54	−3.61	0.39	0	2	20	7	3	w.	Newark Water Dept
Chatham	Morris	185	37	.....	......	.....	.....	.....	.....	....	0.38	−3.84	0.35	0	2	20	8	2	......	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	69.9	......	95	10	38	30	43	0.00	......	0.00	0	0	23	6	1	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	.....	......	94	2†	.....	.....	....	0.59	−2.89	0.35	0	3	21	2	7	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	.....	......	.....	.....	.....	.....	....	0.23	−3.79	0.23	0	1	....	....	....	......	L. S. Depue.
Dayton	Middlesex	90	....	.....	......	.....	.....	.....	.....	....	.....	......	.....	....	....	....	....	....	......	Edward Visinski.
Dover	Morris	600	57	62.8	+0.3	86	10†	33	30	40	0.74	−3.34	0.44	0	2	14	11	5	......	William C. Harris
Egg Harbor City	Atlantic	63	19	.....	......	....	.....	.....	.....	...	0.37	−3.91	0.26	0	2	28	2	0	....	Chas. E. Hall.
Elizabeth	Union	34	62	68.6	+1.7	98	16	35	30	51	0.07	−3.54	0.07	0	1	26	2	2	ne.	Union County Park Comm
Flemington	Hunterdon	140	§55	69.7	+3.0	95	16	39	30	42	0.26	−3.38	0.25	0	2	25	4	1	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	68.0	......	94	10	37	30	42	0.04	−4.34	0.04	0	1	27	3	0	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	70.6	......	97	10	39	13	42	0.08	−4.13	0.08	0	1	24	5	1	sw.	J. G. Wilson.
Hightstown	Mercer	110	48	67.2	+0.7	95	10	37	30	46	0.02	−3.19	0.01	0	2	21	8	1	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	67.7	+1.3	95	10	35	21	47	0.04	−3.45	0.03	0	2	19	9	2	s.	Edward Entwistle.
Jersey City	Hudson	81	43	70.6	+3.0	92	1†	42	30	39	0.14	−3.26	0.13	0	2	18	8	4	s.	Jersey Journal.
Lakewood	Ocean	54	37	68.0	+2.8	94	10	40	30	43	T.	−3.04	T.	0	0	13	14	3	nw.	R. W. Holman.
Lambertville	Hunterdon	75	54	68.6	+2.8	93	10	37	30	47	0.30	−3.06	0.30	0	1	27	2	1	s.	George Bailey.
Layton(near)‡‡	Sussex	480	40	63.0	+0.5	92	1	26	30	50	0.28	−3.58	0.19	0	3	21	5	4	nw.	A. M. Depue.
Little Falls	Passaic	157	38	66.6	+1.3	92	1†	34	30	47	0.82	−2.86	0.44	0	2	23	5	2	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	67.9	+2.0	92	1†	43	30	37	0.03	−3.16	0.03	0	1	17	11	2	w.	Storm Warn. Display Sta
Long Valley	Morris	660	11	63.2	......	91	23	31	28	51	0.39	....	0.12	0	4	27	2	1	sw.	Arthur Barkman.
Marlton	Burlington	90	....	.....	......	.....	.....	.....	.....	....	0.25	....	0.15	0	3	....	....	....	......	David Griscom.
Millville	Cumberland	60	1	.....	......	.....	.....	.....		....	0.01	....	0.01	0	1	23	4	3	......	Paul Ritchie.
Moorestown	Burlington	62	78	67.8	+1.6	93	10	41	13†	40	0.49	−3.04	0.21	0	3	20	7	3	n.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	.....	......	.....	.....	....	....	....	0.41	....	0.26	0	2	23	4	3	sw.	James C. Long.
Newark	Essex	10	42	68.0	+1.6	93	10	41	30	39	0.14	−3.55	0.09	0	3	11	15	4	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	68.4	+2.6	93	10	40	30	42	0.04	−3.32	0.03	0	2	18	8	4	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	.....	......	.....	.....	.....	.....	....	0.30	−4.05	0.18	0	2	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	58	.....	......	.....	.....	32	30	...	0.67	−3.09	0.46	0	4	21	7	2	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	70.1	......	95	10	46	30	39	0.63	....	0.26	0	5	23	3	4	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	.....	......	.....	.....	.....	.....	....	0.58	......	0.36	0	2	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	70	67.1	+0.8	95	23	36	30	47	1.00	−2.61	0.53	0	2	24	1	5	nw.	J. W. Cook.
Pemberton	Burlington	55	11	69.4	+1.7	95	10	34	20	41	0.21	−4.62	0.06	0	6	25	3	2	nw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	64.8	−0.4	90	1	37	30	42	0.32	−3.17	0.26	0	2	20	7	3	......	Town Engineer.
Plainfield	Union	120	53	68.4	+2.8	94	10	41	30	44	0.14	−3.89	0.12	0	2	15	14	1	s.	S. K. Pearson.
Plainsboro	Middlesex	110	....	.....	......	.....	.....	.....	.....	....	T	....	T.	0	0	...	....	....	......	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	66.4	+0.5	95	1	40	13†	44	0.04	−2.93	0.04	0	1	25	2	3	s.	N. J. Water Policy Comm.
Rahway	Union	20	1	.....	......	.....	.....	.....	.....	....	T	....	T.	0	0	26	4	0		Louis Fontenelli.
Ridgefield	Bergen	80	24	67.0	+1.9	92	10†	38	30	43	0.68	−2.46	0.48	0	3	16	13	1	nw	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	66.0	+1.7	95	17	29	30	51	0.02	−4.06	0.02	0	1	29	1	0	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	68.8	+1.3	88	16	51	30	28	0.01	−3.42	0.01	0	1	13	13	4	nw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	58	67.3	+1.4	91	10	39	30	38	0.18	−3.54	0.18	0	1	24	5	1	w.	Richard H. Rogers.
Sussex	Sussex	450	46	64.3	0.0	92	16	27	30	49	0.29	−3.28	0.23	0	4	19	5	6	w.	Marshall Hunt.
Toms River	Ocean	33	20	.....	......	.....	.....	.....	.....	....	0.00	−4.28	0.00	0	0	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	69	68.6	+1.7	93	10	44	30	36	0.19	−3.21	0.09	0	3	13	10	7	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	11	68.5	......	94	10	42	30	40	0.26	....	0.15	0	3	....	....	...	......	Edward H. Ristow.
Tuckerton	Ocean	23	48	69.1	+2.4	95	1	42	13†	33	0.12	−3.14	0.12	0	1	24	2	4	e.	John H. Brown
Vineland	Cumberland	109	61	.....	......	.....	.....	.....	.....	....	0.33	−3.12	0.17	0	2	....	....	....	......	Edward H. Ladd.
Westfield	Union	145	1	.....	......	.....	.....	.....	.....	....	0.10	....	0.10	0	1	23	6	1	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	.....	......	.....	.....	.....	.....	...	0.33	−3.84	0.23	0	3	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	7	.....	......	.....	.....	.....	.....	....	0.50	....	0.40	0	2	28	2	0	w.	Geo. S. Keen
New York, N. Y.	....	10	76	69.0	+2.2	91	10	48	30	29	0.11	−3.28	0.11	0	2	16	10	4	s.	U. S. Weather Bureau.
Philadelphia, Pa	....	26	70	71.3	+3.3	93	10	50	30	33	0.51	−2.63	0.18	0	5	16	10	4	n.	U. S. Weather Bureau.
For the State	....	......	....	67.5	+1.7	98	1†	26	30	51	0.28	−3.51	0.72	0	2	21	6	3	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-13-41-925

Daily Precipitation for September, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast				T.	T.						T.														.01							0.01
Barnegat City[4]	Coast					.05																											0.05
Belleplain	Tuckahoe				T.																												T.
Belvidere	Delaware				.15		.08					.31																					0.54
Berlin	Mullica		.02				.04					.15																					0.21
Boonton[3]	Passaic					.72	T.					.70																					1.42
Bridgeton	Delaware																																0.00
Brooklawn	....do				.15	T.					.08																						0.23
Burlington	Delaware				.07						.33	T.																					0.40
Canoe Brook[3]	Passaic					.01						.26																					0.27
Cape May[4]	Coast				.14																												0.14
Charlotteburg	Passaic				.15							.39																					0.54
Chatham[3]	...do	T.				.03						.35																					0.38
Chatsworth	Delaware																																0.00
Clayton	Delaware		.15		.09			.35																									0.59
Culvers Lake	...do	T.										.23																					0.23
Dayton	Raritan																																.....
Dover	Passaic				.44						.30																						0.74
Egg Harbor City[2]	Mullica				.11			.26																		T.							0.37
Elizabeth	Coast				T.							.07																					0.07
Flemington	Raritan				T.		.01					.25																					0.26
Freehold	.do				.04																												0.04
Hammonton	Mullica				.08																						T.	T.					0.08
Hightstown	Raritan				T.	.01	.01					T.																	T.		T.		0.02
Indian Mills	Mullica				.03	.01						T.																					0.04
Jersey City	Coast	T.			.13	.01	T.				T.	T.																					0.14
Lakewood	Metedeconk				T.																												T.
Lambertville	Delaware						T.					.30																					0.30
Layton(near)	....do				.02		.07					.19																					0.28
Little Falls[3]	Passaic					.44						.38																					0.82
Long Branch[2]‡	Coast				.03	T.					T.	T														T							0.03
Long Valley[3]	Raritan	.12				.11	.06					.10																					0.39
Marlton	Delaware					.15	.05			.05																							0.25
Millville[2]‡	Maurice				.01																												0.01
Moorestown[3]	Delaware	.15				.13	.21			T.																							0.49
Morris Plains	Passaic				.15							.26																					0.41
Newark[1]	Coast	.04			T.	.01	T				.09	T.																					0.14
New Brunswick	Raritan				T.	.01						.03																			T.		0.04
New Milford[2]‡	Hackensack				.18						.12																						0.30
Newton	Delaware				.12	.02	.07					.46																					0.67
N. Merchantville[2]‡	Delaware				.18	.16				.02	.26	.01																					0.63
Orange[2]‡	Passaic				.36						.22																						0.58
Paterson[3]	Passaic				.47						.53	T.																					1.00
Pemberton	Delaware	.02			.04	.05	.03			.06		.01																					0.21
Phillipsburg	....do				T.	T.	.06				.26	T																					0.32
Plainfield	Raritan				T.	.02						.12																					0.14
Plainsboro	Delaware					T.						T.																					T.
Pleasantville[3]	Coast					T.			.04																		T.						0.04
Rahway[3]‡	Rahway											T.																					T
Ridgefield[2]	Hackensack				.48	.01					.19																						0.68
Runyon	Coast											02																					0.02
Sandy Hook[2]‡	Coast				T.						.01	T														T.							0.01
Somerville(near)	Raritan											.18																					0.18
Sussex	Hudson				.03	.01	.02					.23																					0.29
Toms River	Coast																																0.00
Trenton[1]‡	Delaware	T.			.06	.09	T.				.04	T.																					0.19
Trenton No. 2[2]	Delaware				.03	.15	T.				.08																						0.26
Tuckerton	Coast					.12																											0.12
Vineland[3]	Maurice	.17										.16																					0.33
Westfield[3]‡	Rahway				T.							.10																					0.10
Woodcliff Lake[2]‡	Hackensack	.03			.07						.23																						0.33
Woodstown	Delaware								.10		40																						0.50
New York, N. Y[1]‡	Coast	T.			.10	.01					T.	T.																					0.11
Phila., Pa[1]‡	Delaware				.18	.14				.07	.11	.01																					0.51

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.192	.160	096	.010	.096	.192	.192	.160	.064	.100	.224	.160	.128	.080	.144	.080	.160	.160	.160	.112	.096	.128	.096	.160	.064	.160	.096	.080	.096	.048	....	3.694
	Wind movement	13	5	0	1	7	9	16	6	2	6	11	4	2	8	8	3	7	4	9	4	2	2	2	6	12	6	5	15	10	6	....	191
Pleasantville[3]	Evaporation	.320	.224	.128	.032	.192	.320	.296	.256	.160	.192	.272	.224	.192	.160	.192	.256	.256	.192	.224	.128	.160	.160	160	.224	.096	.208	.160	.128	.224	096	....	5 832
	Wind movement	53	32	25	23	57	47	42	42	68	80	71	38	30	50	75	56	50	55	52	41	27	33	46	34	62	47	46	93	61	95	....	1531
Runyon	Evaporation	.240	.240	.240	.260	.240	.240	.240	.220	.220	.220	.200	.180	.200	.180	.180	.180	.210	.180	.180	.180	180	.150	.150	.150	.150	.150	.180	.180	.160	160	....	5.840
	Wind movement	52	26	25	24	27	28	10	20	9	17	19	21	23	17	32	21	30	17	13	22	12	12	17	14	23	12	19	19	26	23	....	630

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed

Daily Temperatures for September, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	94	74	75	72	78	88	92	75	77	79	78	68	72	73	74	80	85	72	68	67	71	71	81	71	73	82	67	75	72	68	....	75.7
	Minimum	71	62	61	68	70	69	70	64	67	70	59	52	53	64	65	67	68	62	61	59	57	56	56	64	64	67	62	65	53	50	....	62.5
Barnegat City‡	Maximum	98	75	76	74	77	87	90	75	78	80	78	68	74	77	83	86	78	74	75	69	74	73	82	71	71	81	68	74	71	68	....	76.8
	Minimum	67	57	58	64	64	65	67	57	60	67	55	60	52	54	49	58	64	59	58	57	56	52	52	60	58	62	56	56	48	47	....	57.6
Belleplain	Maximum	92	88	79	76	89	89	90	90	86	88	82	75	77	78	84	77	90	84	72	71	73	78	89	83	77	80	78	80	72	67	....	81.1
	Minimum	70	56	47	60	66	62	64	59	59	66	66	45	37	40	50	63	65	57	47	38	44	54	46	60	46	60	56	46	60	37	....	54.2
Belvidere	Maximum	92	83	80	73	91	89	86	83	92	92	81	75	78	82	85	92	88	81	75	75	81	81	92	82	82	77	76	80	73	68	....	82.2
	Minimum	70	56	45	62	61	61	59	50	55	66	59	43	40	45	49	54	55	53	47	42	41	42	45	55	54	65	45	44	47	35	....	51.5
Boonton§§	Maximum	89	79	79	69	86	85	83	77	86	88	72	70	75	77	81	89	87	79	74	71	78	85	90	77	74	75	73	80	60	66	....	78.5
	Minimum	69	57	43	47	60	66	56	49	53	58	63	44	41	43	46	57	57	54	50	40	37	39	43	46	45	45	44	42	50	32	....	49.2
Bridgeton	Maximum	95	85	84	80	94	90	94	84	91	95	82	75	80	82	89	93	95	87	80	79	82	85	92	89	82	84	80	87	72	69	....	85.2
	Minimum	70	61	54	63	69	63	66	61	62	70	68	49	45	47	59	62	66	60	55	47	48	52	53	65	52	61	58	55	56	43	....	58.0
Burlington	Maximum	94	89	82	76	90	90	91	86	92	96	87	74	77	82	79	90	92	86	80	74	80	84	90	89	80	82	76	85	76	73	....	84.1
	Minimum	72	56	54	66	66	67	65	60	59	67	66	49	43	46	53	63	64	57	56	49	45	50	50	62	50	62	54	52	58	44	....	56.8
Canoe Brook§§	Maximum	90	80	79	73	88	88	86	78	93	91	73	72	74	78	84	90	85	79	71	70	78	82	92	81	80	82	78	82	70	79	....	80.9
	Minimum	69	50	42	56	63	62	55	45	50	61	62	38	36	39	49	54	53	49	40	40	37	44	43	50	46	50	44	40	52	30	....	48.3
Cape May.‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	89	88	77	75	86	85	84	78	85	88	87	70	74	77	81	89	87	82	77	70	79	83	88	88	74	72	73	80	77	68	....	80.4
	Minimum	71	51	37	50	62	62	68	47	46	59	57	36	38	37	46	53	58	50	46	32	32	36	38	51	37	56	50	40	50	26	....	47.4
Chatsworth	Maximum	94	85	79	79	93	90	92	80	92	95	78	73	77	83	87	93	93	87	72	72	79	89	91	79	78	81	77	84	75	72	....	83.3
	Minimum	71	72	46	61	67	66	62	56	54	68	67	43	47	42	57	55	69	60	53	41	52	56	48	71	44	61	54	54	58	38	....	56.5
Clayton	Maximum	86	94	85	82	93	92	90	80	90	94	85	76	77	81	86	90	91	87	77	75	81	83	91	87	81	81	77	85	83	69	....	84.3
	Minimum	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Dover	Maximum	73	76	75	67	84	84	82	74	84	86	75	68	70	75	80	86	85	75	67	66	75	80	86	74	72	75	70	80	71	65	. ..	76.0
	Minimum	48	55	43	57	65	63	61	51	53	63	52	43	41	42	53	60	59	53	48	38	39	40	46	54	44	54	47	41	39	33	...	49.5
Elizabeth	Maximum	93	87	80	74	92	86	92	83	92	97	86	83	79	79	87	98	96	86	84	75	82	85	97	84	69	87	73	83	83	69	....	84.7
	Minimum	70	53	46	58	65	62	58	49	55	63	62	41	41	59	48	58	56	56	53	46	40	43	46	59	47	56	51	45	53	35	....	52.5
Flemington	Maximum	93	84	82	81	92	91	88	84	92	94	87	77	80	84	90	95	93	81	74	74	84	89	90	85	82	81	79	87	79	71	....	84.9
	Minimum	71	57	50	65	68	64	64	53	57	64	62	47	44	45	51	57	62	57	53	44	40	47	50	58	51	63	50	46	55	39	....	54.5
Freehold	Maximum	92	85	79	78	89	88	88	80	90	94	82	72	74	81	85	91	90	88	76	69	78	82	90	88	75	81	76	82	65	70	....	81.9
	Minimum	72	53	47	63	66	64	65	58	57	66	60	43	43	48	54	62	63	55	53	44	39	49	48	56	48	62	51	54	47	37	....	54.2
Hammonton	Maximum	95	89	81	75	94	90	93	90	92	97	84	75	80	83	88	93	94	85	75	78	80	85	93	85	80	82	79	85	73	72	....	84.8
	Minimum	72	68	72	68	71	63	63	62	56	68	67	45	39	46	53	62	60	56	51	40	40	47	51	60	48	60	56	55	54	40	....	56.4
Hightstown	Maximum	90	84	80	73	88	87	87	79	90	95	80	73	77	81	84	90	90	81	72	70	79	83	91	79	78	81	76	82	72	71	....	81.4
	Minimum	71	52	47	62	66	62	62	53	54	66	63	44	39	44	53	59	62	54	50	44	39	45	45	56	45	59	51	50	54	37	....	52.9
Indian Mills(near)	Maximum	93	82	77	73	92	88	90	82	89	95	79	75	78	81	85	90	91	83	75	75	82	85	93	84	80	80	78	84	72	70	....	82.7
	Minimum	72	53	45	65	67	65	62	55	54	67	62	40	36	39	48	62	64	52	49	39	35	45	48	60	44	59	55	50	53	37	....	52.7
Jersey City	Maximum	92	87	78	76	83	89	88	86	82	89	86	74	75	79	85	91	89	89	78	69	77	80	92	89	75	79	76	80	80	68	....	82.0
	Minimum	73	61	54	66	68	69	66	59	61	71	66	50	55	58	62	65	66	61	56	49	49	55	53	60	58	61	52	55	56	42	....	59.2
Lakewood	Maximum	92	87	78	75	90	87	90	83	90	94	81	72	70	82	85	92	91	85	71	70	76	79	91	83	74	82	75	82	72	70	....	81.6
	Minimum	73	54	50	63	63	65	61	54	56	67	67	46	41	44	53	63	65	55	52	43	41	47	48	59	47	63	50	47	58	40	....	54.5
Lambertville	Maximum	92	88	79	76	88	88	88	82	90	93	83	73	76	80	85	91	91	85	77	77	79	84	92	87	80	80	75	85	74	69	....	82.9
	Minimum	71	55	48	67	68	64	60	67	55	68	64	43	41	45	53	58	60	54	58	45	41	49	45	55	51	58	52	48	56	37	....	54.2
Layton(near)	Maximum	92	78	79	70	86	88	84	79	89	90	87	71	75	79	84	90	86	80	72	73	80	75	90	81	79	72	74	84	75	66	.. .	80.3
	Minimum	52	51	42	55	65	60	51	47	50	64	58	36	37	39	43	53	52	47	37	37	34	40	40	48	45	51	35	37	39	26	....	45.7
Little Falls§§	Maximum	92	81	80	77	87	88	86	80	88	91	74	73	77	80	83	91	90	81	74	72	81	84	92	79	74	79	75	81	63	70	....	80.8
	Minimum	73	55	46	57	61	66	66	53	55	65	63	45	42	45	52	59	57	54	51	42	39	47	45	54	46	56	47	44	55	34	....	52.5
Long Branch*	Maximum	92	81	75	73	84	89	89	79	82	89	75	70	70	76	85	92	91	76	67	68	69	75	89	74	70	81	69	78	66	68	....	78.1
	Minimum	70	57	54	65	70	67	67	57	59	71	57	50	45	51	67	64	68	60	58	51	45	57	52	63	55	61	54	54	48	43	..	57.7
Long Valley§§	Maximum	90	81	78	71	87	87	86	80	87	89	73	73	75	79	83	90	89	78	72	71	80	85	91	80	78	80	75	82	63	66	...	80.0
	Minimum	66	55	40	47	61	61	52	46	51	57	59	44	38	38	42	47	49	49	43	36	33	36	40	48	48	46	42	38	51	31	....	46.5
Moorestown*	Maximum	90	78	75	70	88	81	87	81	89	93	74	72	76	79	84	89	90	79	71	66	78	81	89	80	80	79	74	84	66	68	....	79.7
	Minimum	73	54	51	67	67	66	65	56	58	66	65	48	41	41	56	62	64	57	53	45	43	48	49	61	51	64	54	50	57	42	...	55.8
Newark*	Maximum	92	81	78	72	86	88	88	78	81	93	72	70	73	78	83	91	90	79	69	68	76	80	91	75	70	81	74	81	72	66	....	79.2
	Minimum	68	60	55	63	67	67	67	58	60	68	56	51	50	52	56	62	63	62	53	48	47	49	52	59	54	59	53	52	48	41	....	56.7
New Brunswick	Maximum	91	86	78	73	87	87	88	84	89	93	85	72	75	80	84	91	89	85	72	68	78	81	90	86	76	79	75	82	80	70	....	81.8
	Minimum	71	57	52	62	66	64	64	56	56	71	64	47	45	45	53	60	62	59	53	47	41	46	48	57	49	61	51	51	52	40	....	55.0
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	68	52	43	58	62	61	60	48	52	65	52	39	41	44	50	56	56	42	41	40	39	40	48	58	49	46	56	39	46	32	....	49.4
N. Merchantville*	Maximum	93	80	79	72	91	90	91	84	91	95	76	74	76	81	85	89	91	80	72	75	79	82	90	82	83	81	75	85	74	69	....	82.2
	Minimum	68	60	56	67	68	67	68	60	62	69	56	51	48	51	58	65	66	61	52	50	49	53	51	58	54	63	56	56	50	46	....	58.0
Paterson§§	Maximum	93	82	82	72	89	90	87	80	88	92	75	74	78	80	84	92	90	84	75	74	82	84	95	80	75	78	75	83	64	67	....	81.5
	Minimum	72	59	48	52	60	66	62	54	56	61	62	47	46	47	49	60	60	58	51	46	41	43	48	53	48	49	49	46	52	36	...	52.7
Pemberton	Maximum	92	81	81	74	91	89	90	84	90	95	85	75	78	82	85	91	91	87	81	75	82	87	92	87	80	82	79	86	73	71	....	83.9
	Minimum	67	55	49	65	68	65	63	56	58	68	67	46	40	42	52	61	61	55	53	34	41	49	53	61	50	61	55	51	59	41	....	54.9
Phillipsburg	Maximum	90	80	75	69	87	85	83	87	79	86	71	71	72	77	80	87	85	79	70	69	75	79	87	76	77	73	70	81	72	65	....	77.9
	Minimum	71	59	47	63	67	62	57	56	52	65	58	46	40	44	50	53	51	58	48	43	40	46	45	53	54	56	47	44	42	37	....	51.8
Plainfield	Maximum	93	82	79	74	88	89	89	80	89	94	78	74	75	80	86	92	91	81	72	69	81	84	93	79	74	81	74	81	70	70	....	81.4
	Minimum	71	60	51	62	67	66	60	57	58	67	64	49	44	46	53	61	62	60	54	45	43	47	49	60	51	63	53	48	48	41	....	55.3
Pleasantville§§	Maximum	95	79	78	73	86	89	92	81	81	83	78	70	73	75	84	90	91	78	72	70	74	75	89	77	74	83	71	77	72	75	....	79.5
	Minimum	70	50	46	54	68	63	62	57	53	68	67	44	40	40	52	52	65	55	47	50	45	41	45	53	48	54	58	45	61	42	....	53.2
Ridgefield*	Maximum	91	81	79	71	86	88	86	78	86	92	74	73	77	81	85	92	89	81	73	71	79	82	92	77	73	78	75	80	62	67	....	80.0
	Minimum	65	55	50	59	66	67	65	53	58	68	53	47	46	50	56	63	64	50	51	45	44	50	49	57	52	57	50	53	41	38	....	54.1
Runyon	Maximum	92	85	84	94	92	93	91	84	91	94	91	80	79	81	88	94	95	79	76	69	77	87	93	85	75	76	83	80	79	80	....	84.9
	Minimum	72	46	48	54	56	54	50	51	49	62	58	62	31	38	54	56	54	52	44	35	32	36	44	44	46	38	40	40	35	29	....	47.0
Sandy Hook‡	Maximum	87	78	72	72	83	85	84	76	80	86	74	71	69	75	82	88	86	76	66	64	69	73	87	74	67	77	71	78	71	67	....	76.3
	Minimum	66	63	61	68	69	69	68	62	64	70	58	56	57	59	60	66	68	63	58	55	56	59	59	62	60	60	56	60	54	51	....	61.2
Somerville(near)	Maximum	89	84	80	72	88	85	84	78	88	91	79	71	76	80	83	90	88	80	71	71	78	83	90	79	78	76	73	82	74	70	....	80.4
	Minimum	70	64	49	61	65	65	60	46	51	66	61	44	45	49	55	60	61	56	48	45	52	52	52	58	51	53	49	52	46	39	....	54.2
Sussex	Maximum	91	80	77	71	86	88	85	78	88	91	84	71	75	71	84	92	89	81	74	73	79	87	90	81	77	74	72	82	73	66	....	80.3
	Minimum	71	51	39	56	65	62	55	47	52	67	58	38	38	41	45	57	56	53	42	36	36	41	41	49	44	51	39	39	50	27	....	48.3
Trenton*	Maximum	92	79	79	72	85	89	88	80	88	93	73	72	74	79	84	88	89	78	69	70	78	82	90	77	78	79	74	82	73	67	....	80.0
	Minimum	66	61	56	61	67	65	68	59	61	69	55	49	50	51	59	65	65	61	54	60	48	50	54	59	54	59	54	57	46	44	....	57.2
Trenton No. 2*	Maximum	92	80	80	74	88	88	89	81	90	94	78	73	76	80	85	90	90	81	72	73	78	83	91	79	79	80	75	82	72	68	....	81.4
	Minimum	73	56	52	67	67	63	65	55	57	68	58	47	46	47	56	62	64	58	53	46	44	49	51	58	51	62	52	52	48	42	....	55.6
Tuckerton	Maximum	95	85	78	75	88	89	92	85	82	83	80	73	74	78	85	93	92	83	70	70	73	75	88	78	73	82	72	80	68	72	....	80.4
	Minimum	70	68	50	65	70	65	65	56	57	70	65	44	42	45	57	67	66	55	51	55	50	48	58	60	60	62	60	50	60	42	....	57.8
New York, N. Y.*	Maximum	89	80	77	73	85	86	85	77	80	91	74	70	72	76	81	87	87	77	70	68	77	79	90	78	68	77	73	78	70	64	....	78.0
	Minimum	66	61	63	67	67	67	67	59	65	70	56	52	55	58	59	64	66	62	56	53	55	58	61	60	59	59	55	57	53	48	....	59.9
Philadelphia, Pa.*	Maximum	92	82	78	71	89	88	89	83	90	93	76	75	75	79	88	88	89	81	72	73	78	82	92	81	80	80	74	84	74	67	....	81.3
	Minimum	69	64	63	66	69	68	70	64	67	71	59	53	56	57	61	65	67	65	58	53	54	58	59	61	59	65	58	59	52	50	....	61.3

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

Vol. XLVI. October, 1941. No. 10.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

October, 1941, was mild with an average temperature of 58.9° which is the highest October average since 1920, and has been exceeded by only two Octobers since the beginning of records in 1885. It was unusually warm the first 8 days. Temperatures in the nineties were registered on the 5th and 6th, and readings of 80° or above were recorded at many stations on the 14th. The reading of 94° at Trenton on the 5th is the highest of record here for October, and the readings of 97° at Flemington and Tuckerton on the 5th and 6th, respectively, are the highest of record for October in New Jersey. There was some freezing weather during the last week with a low of 17° at Runyon, thus making a monthly range for the State of 80°. Killing frost had occurred at practically all stations by the close of the month.

Precipitation average was a little more than half of normal. This October, moreover, followed the driest September of record and constituted, with it, one of the driest two-month periods of record in this State. The streams continued low and soil dry. The Delaware River at Trenton stood below zero of the gage throughout practically the entire two months, breaking previous records for continued low water. The rainfall was well-distributed throughout the month, and fairly uniform over the State. There was no snowfall at any station. No destructive storms occurred.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 58.9°, which was 4.3° above normal. The highest temperature was 97° at Flemington and Tuckerton on the 5th and 6th, respectively, and the lowest, 17°, at Runyon on the 29th. The greatest daily range of temperature was 65° at Runyon on the 29th. The highest monthly mean temperature was 62.2° at Atlantic City and Bridgeton, and the lowest, 54.4° at Layton.

The temperature departure from the normal for the year, 1941, to date, for the State is +0.6°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 59 stations, was 1.90 inches, which was 1.71 inches below normal. The greatest monthly precipitation was 3.49 inches at Hammonton, and the least, 1.15 inches at New Brunswick. The greatest amount of precipitation in any 24 consecutive hours was 1.48 inches at Newton on the 31st. The average for the Highlands was 2.17 inches, for the Red Sandstone Plain 1.70 inches, and for the Southern Interior 1.82 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −7.26 inches; Red Sandstone Plain, −6.97 inches; Southern Interior, −5.66 inches.

DATES OF MISCELLANEOUS PHENOMENA.

THUNDERSTORMS: 1, 28. KILLING FROST: 17, 20, 26, 27, 28, 29, 30.
DENSE FOG: 3, 4, 7, 8, 12, 13, 14, 15, 17.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p m.	
Atlantic City	30.11	30.56	29	29.70	10	15.1	40	s.	27	78	59	68	68
Long Branch	30.08	30.60	30	29.62	10	14.1	40	nw.	11	74	56	63	63
Ridgefield	30.08	30.55	30	29.63	10	...	...	...	...	...	...	...	...
Sandy Hook	...	...	...	...	...	...	...	...	...	...	...	...	...
Trenton	30.08	30.56	30	29.68	10	8.4	30	sw.	14	79	52	60	68

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	...	...	...	...
1886	55.6	88	21	3.22	0	...	...	...	...
1887	52.3	89	21	2.61	0	7	...	...	...
1888	49.2	73	25	4.73	0	12	...	...	...
1889	50.8	82	23	3.80	0	11	...	...	...
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	95	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	59.9	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	8.92	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	11	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	0.31	0	1	23	6	2
1925	49.1	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	53.2	84	15	5.27	T.	10	12	7	12
1938	56.2	93	24	2.47	0	7	19	5	7
1939	54.9	93	19	4.24	0	9	14	6	11
1940	51.0	82	11	2.86	0.7	8	15	7	9
1941	58.9	97	17	1.90	0	8	15	7	9
Period	54.6	97	9	3.61	0	8	15	8	8

Climatological Data for October, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	62.2	+5.3	91	6	36	29	30	1.57	−1.63	0.58	0	7	12	11	8	sw.	U. S. Weather Bureau
Barnegat City	Ocean	36	§21	59.2	....	91	6	33	29	36	1.92	−2.03	0.55	0	5	10	10	11	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	59.6ᵇ	+4.2	92	5	22	26	41	2.00	−0.90	0.72	0	5	19	8	4	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	....	....	....	....	....	....	....	1.79	....	0.71	0	9	10	8	13	nw.	Fred Fine.
Belvidere	Warren	289	50	57.6	+2.7	92	5†	27	26†	36	2.19	−1.63	0.80	0	8	18	1	12	....	Miss C. S. Hixson.
Berlin	Camden	70	....	....	....	....	....	....	....	....	1.58	....	0.71	0	5	24	2	5	....	Samuel H. McCulley.
Boonton	Morris	280	§51	56.0	+3.8	88	5†	28	26	42	1.65	−2.26	0.57	0	7	17	2	12	ne.	John Kline.
Bridgeton	Cumberland	30	58	62.2	+5.2	96	5	31	26†	34	2.36	−0.74	1.15	0	6	23	2	6	nw.	Bennett K. Matlack
Brooklawn	Camden	30	....	....	....	....	....	....	....	....	1.52	....	0.84	0	7	....	....	....	....	C. D. Scott.
Burlington	Burlington	12	§55	61.4	+4.2	88	5	30	26	34	1.63	−1.86	0.98	0	7	20	3	8	nw.	Public Service E. & G. Co
Canoe Brook‡‡	Essex	180	11	56.2	+3.8	93	5	22	26	41	1.85	−1.78	0.43	0	10	16	7	8	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	....	....	....	....	....	....	....	2.58	−0.72	1.43	0	6	....	....	....	....	Naval Air Station.
Charlotteburg‡‡	Passaic	760	49	56.8	+5.4	90	5	27	17	42	2.20	−2.21	0.72	0	8	13	8	10	w.	Newark Water Dept.
Chatham	Morris	185	37	....	....	....	....	....	....	....	2.07	−2.04	0.66	0	7	15	12	4	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	61.0	....	95	5	21	26	39	1.74	....	0.67	0	5	16	9	6	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	....	....	95	5†	....	....	....	1.63	−1.53	0.69	0	4	16	3	12	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	1.93	−1.68	0.70	0	9	....	....	....	....	L. S. Depue.
Dayton	Middlesex	90	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Edward Visinski.
Dover	Morris	600	57	55.2	+3.8	89	5	27	30	33	1.80	−2.34	0.58	0	9	4	16	11	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	2.48	−1.60	0.70	0	9	21	6	4	....	Chas. E. Hall.
Elizabeth	Union	34	62	58.5	+3.3	96	5	25	29	45	1.80	−2.15	0.75	0	8	16	4	11	nw.	Union County Park Comm
Flemington	Hunterdon	140	§55	60.0	+4.4	97	5	29	26	36	1.84	−1.67	0.63	0	10	18	6	7	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	58.7	....	94	5	26	29	44	1.88	−1.80	0.77	0	8	21	6	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	62.0	....	95	5†	26	26	37	3.49	−0.36	1.35	0	8	20	4	7	sw.	J. G. Wilson.
Hightstown	Mercer	110	48	59.2	+4.3	95	5	27	29	38	1.58	−2.12	0.81	0	8	15	9	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	60.1	+4.8	95	5	23	26	38	1.90	−1.79	0.62	0	7	13	12	6	sw.	Edward Entwistle.
Jersey City	Hudson	81	43	61.8	+5.4	93	5	35	29†	29	1.44	−2.66	0.59	0	8	12	7	12	nw.	Jersey Journal.
Lakewood	Ocean	54	37	59.2	+4.8	93	5†	27	29	39	1.82	−1.98	0.76	0	9	10	10	11	w.	R. W. Holman.
Lambertville	Hunterdon	75	54	58.0	+3.6	95	5	27	29	36	1.22	−2.33	0.59	0	8	18	7	6	nw	George Bailey.
Layton(near)‡‡	Sussex	480	40	54.4	+3.5	93	5	23	26†	40	1.96	−1.79	0.44	0	10	11	7	13	sw.	A. M. Depue.
Little Falls	Passaic	157	38	58.6	+4.5	92	5	28	29	43	1.99	−2.60	0.81	0	10	14	6	11	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	59.5	+4.3	95	5	32	17	33	2.08	−2.31	0.67	0	9	9	10	12	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	55.0	....	91	6	25	26	44	1.65	....	0.56	0	7	19	5	7	sw.	Arthur Barkman.
Marlton	Burlington	90	....	....	....	....	....	....	....	....	1.68	....	0.75	0	6	....	....	....	....	David Griscom.
Millville	Cumberland	60	1	....	....	....	....	....	....	....	1.80	....	0.63	0	7	20	3	8	....	Paul Ritchie.
Moorestown	Burlington	62	78	60.6	+5.7	95	5	29	29	33	1.48	−2.00	0.51	0	7	12	9	10	n.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	....	....	....	....	....	....	....	2.97	....	1.16	0	8	....	....	....	....	James C. Long.
Newark	Essex	10	42	58.8	+3.2	93	5	34	29	31	2.03	−2.33	0.63	0	7	9	8	14	w.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	59.6	+4.8	94	5	27	29	31	1.15	−2.67	0.55	0	7	16	1	14	w.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	....	2.00	−1.09	0.62	0	8	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	58	55.6	+2.9	90	5†	26	30	36	3.45	−0.20	1.48	0	11	9	7	15	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	61.4	....	96	5	32	29	32	1.32	....	0.62	0	8	16	6	9	sw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	1.95	....	0.63	0	9	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	70	58.0	+2.9	93	5	31	30	42	1.95	−2.16	0.50	0	9	17	8	6	w.	J. W. Cook.
Pemberton	Burlington	55	11	61.5	+5.8	95	5†	29	29	35	1.88	−1.57	0.75	0	6	16	4	11	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	55.8	+2.3	88	5	29	26	45	2.37	−1.23	0.63	0	10	15	7	9	....	Town Engineer.
Plainfield	Union	120	53	59.2	+5.2	94	5	31	29	34	2.65	−1.43	0.93	0	10	10	8	13	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	....	....	....	....	....	....	....	1.23	....	0.75	0	8	....	....	....	....	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	60.0	+5.2	94	5	22	26	41	1.55	−1.78	0.54	0	6	22	5	4	s.	N. J. Water Policy Comm.
Rahway	Union	20	1	....	....	....	....	....	....	....	1.22	....	0.38	0	7	18	11	2	....	Louis Fontenelli.
Ridgefield	Bergen	80	24	58.0	+4.2	93	5	31	29	38	1.97	−2.26	0.77	0	8	11	10	10	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	58.8	+6.0	95	5	17	29	65	1.70	−2.05	0.69	0	7	21	8	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	60.0	+3.3	88	5†	37	29	22	2.00	−1.78	0.54	0	9	9	14	8	sw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	58	57.9	+3.7	92	5	29	29	32	1.62	−1.96	0.83	0	7	16	6	9	nw.	Richard H. Rogers.
Sussex	Sussex	450	46	55.7	+2.8	92	5	24	29	40	2.27	−1.09	0.65	0	12	17	4	10	w.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	1.51	−2.55	0.58	0	8	....	....	....	....	Robt. F. Snyder.
Trenton	Mercer	56	69	60.4	+4.8	94	5	33	29	32	1.58	−1.20	0.76	0	9	9	10	12	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	11	59.7	....	95	5	31	29	32	1.67	....	0.87	0	9	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	62.0	+5.5	97	6	30	26	34	1.71	−1.91	0.66	0	9	20	2	9	sw.	John H. Brown.
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	2.37	−0.67	1.12	0	7	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	2.66	....	0.80	0	7	19	3	9	w.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	1.84	−1.20	0.55	0	8	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	7	....	....	....	....	....	....	....	0.84	....	0.72	0	2	23	4	4	w.	Geo. S. Keen
New York, N. Y	....	10	76	60.0	+3.7	90	5	36	29	30	1.43	−2.10	0.55	0	8	10	9	12	nw.	U. S. Weather Bureau
Philadelphia, Pa	....	26	70	62.8	+5.0	94	5	36	29	29	1.10	−1.71	0.99	0	8	11	10	10	sw.	U. S. Weather Bureau.
For the State	....	....	....	58.9	+4.3	97	5†	17	29	65	1.90	−1.71	1.48	0	8	15	7	9	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-22 42-925

Daily Precipitation for October, 1941

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast	.21	T.	.02	T.	....	....	....	....	....	.44	....	....	....	T.	T.	....	....	.01	T.	....	....	....	T	....	T.	....	.07	.51	....	....	.31	1.57
Barnegat City[4]	Coast	....	....	.32	....	....	....	....	....	....	.55	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	.20	.45	....	..	.40	1.92
Belleplain	Tuckahoe	....	.51	.17	....	....	....	....	....	....	.55	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.05	....	....	.72	....	....	T.	2.00
Belmar	Coast	....	....	*.37*	*.04*	....	....	....	....	....	.71	....	....	....	....	06	....	....	.03	.05	....	....	....	.08	..	....	....	....	.44	....	....	.01	1.79
Belvidere	Delaware	T.	....	.30	.22	....	....	....	....	....	.55	....	....	....	.05	.14	....	....	.09	....	....	T.	....	.04	....	....	....	80	....	....	....	....	2.19
Berlin	Mullica	....	....	.10	..	....	....	..	....	....	....	....	....	....	....	.45	....	....	....	.05	....	....	.07	....	....	..	....	.71	....	....	....	....	1.38
Boonton[3]	Passaic	T.	T.	....	.30	....	....	T.	T.	....	.09	.48	....	..	....	.03	.06	....	....	.12	....	....	....	....	....	....	....	....	.57	..	....	....	1.65
Bridgeton	Delaware	.10	T.	.15	....	....	....	....	....	....	.80	....	..	....	....	....	..	....	....	T.	....	....	....	T.	....	.09	..	..	1.15	....	....	.07	2.36
Brooklawn	...do	....	....	.02	....	....	....	..	....	....	.84	....	....	....	T.	....	.12	....	T.	.03	....	....	....	.03	....	....	....	T.	.46	....	....	.02	1.52
Burlington	Delaware	....	....	.03	.02	....	....	....	....	....	.98	....	....	....	....	....	....	....	....	.10	....	....	....	.06	....	....	....	.04	....	....	....	.40	1.63
Canoe Brook[3]	Passaic	....	....	.18	.27	....	....	....	.01		.43	.20	....	....	....	.03	.14	..	....	.08	....	....	....	....	.01	....	....	....	.50	....	....	....	1.85
Cape May[4]	Coast	.38	....	....	....	....	....	....	....	....	.43	....	..	....	....	.06	....	....	....	....	....	....	....	....	....	....	....	.14	1.43	....	....	.14	2.58
Charlotteburg	Passaic	.05	....	.05	.34	....	....	....	.	....	51	....	....	....	T.	.26	....	....	....	.15	....	....	....	....	....	....	....	.12	.72	..	....	....	2 20
Chatham[3]	.. .do	T	T.	T.	.47	....	....	T.	T.	....	.24	.48	....	....	....	.02	.12	....	....	.08	....	....	....	..	T.	....	....	....	66	....	....	....	2.07
Chatsworth	Delaware	....	....	.35	....	....	....	....	....	....	.67	....	....	....	....	....	.19	....	. .	.02	....	....	....	....	....	....	....	....	.51	....	....	....	1.74
Clayton	Delaware	....	....	....	....	....	....	....	....	....	.69	....	..	....	....	....	.23	....	....	.06	....	....	....	....	....	....	....	..	.65	....	....	....	1.63
Culvers Lake	...do.	.10	....	.09	.24	....	....	....	....	....	.70	....	....	....	.07	.24	....	..	.07	.02	....	....			....	T.	....	.40	....	....	....	...	1.93
Dayton	Raritan	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Passaic	....	..	.20	.12	....	....	....	....	....	.58	....	....	....	.05	.10	....	....	.12	....	....	....	....	.06	....	....	....	.40	....	....	....	.17	1.80
Egg Harbor City[2]	Mullica	.29	....	.08	..	....	....	....	....	....	.66	....	....	....	..	.04	....	....	.03	T.	....	....	....	.04	....	....	....	.13	.51	....	....	.70	2.48
Elizabeth	Coast	....	....	.18	.22	....	....	....	....	....	.75	....	....	....	T.	.10	.07	...	.02	.01	....	....	....	....	....	....	....	T.	.45	....	....	....	1.80
Flemington	Raritan	T.	....	.18	.10	....	....	....	..	....	.63	....	....	....	..	.17	.14	....	.01	.10	....	....	....	.03	....	....	....	.07	.41	....	....	T.	1.84
Freehold	.do	T.	....	.39	.09	....	....	....	....	....	.77	....	....	....	....	.08	..	....	.01	.06	....	....	....	.06	....	....	....	T.	.42	....	...	T.	1 88
Hammonton	Mullica	....	T.	.78	....	....	....	....	....	....	1.35	....	....	....	....	T.	.15	....	T.	07	....	....	....	.06	....	.04	....	.	.99	....	....	.05	3.49
Hightstown	Raritan	T.	T.	.11	.09	....	....	....	....	....	.81	....	....	....	T.	.14	.01	....	T.	.07	....	....	....	.05	....	....	..	T.	.30	....	....	T.	1.58
Indian Mills	Mullica	....	T.	.21	....	....	....	....	....	....	.62	....	..	....	....	T.	.42	....	T.	.03	....	....	....	.04	....	T.	....	....	.56	....	....	02	1.90
Jersey City	Coast	T.	....	.19	.22	...	....	T.	....	....	.59	....	....	....	T.	.10	....	....	.02	03	....	....	...	T.	....	T	....	T.	.25	....	....	.04	1.44
Lakewood	Metedeconk	..	....	.23	.02	....	....	....	....	....	.76	..	....	....	..	.02	....	....	.02	.10	....	....	....	10	....	..	....	...	.55	....	.	.02	1.82
Lambertville	Delaware	T.	....	.02	.07	....	....	....	....	....	.59	....	....	....	T.	.35	T.	..	.02	.10	....	....	....	T.	....	....	....	.03	.04	...	....	T.	1.22
Layton(near)	....do	.21	....	.13	.34	....	....	....	....	....	.44	..	....	....	.15	.17	. .	....	.08	.04	.	....	....	....	..	....	....	.39	T.	....	T.	.01	1.96
Little Falls[3]	Passaic	T.	...	.26	.21	...	....	.01	....	..	.25	.28	....	....	....	.01	.05	....	....	.10	...	....	....	....	.01	....	....	....	.81	....	....	....	1.99
Long Branch[2]‡	Coast	T.	....	.37	.04	....	....	...	....	....	.67	....	....	....	....	.13	....	....	.08	....	....	....	....	.09	..	.. .	....	.06	.32	...	T.	.32	2.08
Long Valley[3]	Raritan	....	...	....	.50	....	....	....	....	....	....	.56	...	....	. .	.04	.13	....	....	.11	...	....	....	....	.03	....	....	....	28	....	....	....	1.65
Marlton	Delaware	....	....	.31	....	....	....	....	....	....	T.	.75	...	....	....	....	.10	....	....	.03	....	....	....	....	.04	....	....	...	.45	..	....	....	1.68
Millville[2]‡	Maurice	.15	....	.10	....	....	....	....	....	....	.63	....	....	....	....	....	...	....	....	....	....	....	....	....	....	.02	...	.13	50	....	....	.27	1.80
Moorestown[3]	Delaware	..	....	.03	T.	....	....	....	....	....	.30	.51	...	....	..	.02	....	....	T.	.08	..	....	....	...	.06	..	....	....	.48	....	...	...	1.48
Morris Plains	Passaic	T.	..	.16	.19	...	....	T.	....	....	.60	....	....	....	....	.09	....	....	....	.08	..	....	....	.01	....	....	....	.68	....	....	....	1.16	2.97
Newark[1]	Coast	T.	....	.29	.18	....	....	T.	...	T	.63	....	....	....	T.	.12	.. .	....	.03	....	....	....	....	T	....	T.	...	T.	.51	...	..	.27	2.03
New Brunswick	Raritan	T.	T.	.08	.10	....	....	....	....	....	.55	....	....	....	T.	.22	.10	....	T.	08	....	....	....	T.	....	....	..	T.	.02	....	T.	T.	1.15
New Milford[2]‡	Hackensack	....	....	.23	.20	....	....	....	....	....	....	.60	....	....	....	.08	....	....	.10	....	....	....	....	.01	....	....	....	....	.62	....	....	.16	2.00
Newton	Delaware	.05	. .	.08	.28	....	....	....	....	....	.65	....	....	....	.08	....	....	.16	...	.04	....	....	..	.02	....	....	..	.55	.06	....	....	1.48	3.45
N. Merchantville[2]‡	Delaware	T	T	.02	T.	....	....	....	....	....	.62	...	....	....	T.	.10	....	....	.09	T.	....	....	....	.07	....	....	....	.04	.06	....	....	.32	1.32
Orange[2]‡	Passaic	.01	....	*	.38	...	T.	....	....	....	.63	....	....	....	....	.09	....	....	.08	....	....	....	....	....	....	....	....	.02	.48	..	....	.26	1.95
Paterson[3]	Passaic	T.	....	.30	.13	....	....	T.	....	....	.50	....	...	....	T.	.06	T.	....	.09	. .	....	....	.	.01	....	T.	....	.24	.40	....	....	.22	1.95
Pemberton	Delaware	....	..	.55	.01	....	....	....	..	....	.75	....	...	....		T.	....	....	...	.04	....	....	....	.08	....	....	....	...	.45	....	...	T	1.88
Phillipsburg	....do	T.	T.	.38	.15	....	....	...	.	....	.63	....	....	....	.04	.17	...	....	.15	.03	....	....	....	T.	....	....	....	.41	.16	....	T	.25	2 37
Plainfield	Raritan	.01	....	.35	T	...	...	T.	....	....	.88	....	....	....	T	.27	....	....	.03	.06	....	.	....	.03	...	...	. .	.05	.93	...	....	.04	2.65
Plainsboro	Delaware	..	....	.08	.07	....	....	....	....	....	.75	...	....	....	.	.18	.02	....	.. .	....	....	....	....	....	.10	....	....	.01	.02	....	....	....	1.23
Pleasantville[3]	Coast	...	.40	.11	...	....	....	....	....	....	.12	.36	....	....	....	....	...	....	....	.02	....	....	....	....	T.	T	....	....	.54	....	....	....	1 55
Rahway[3]‡	Rahway	....	T.	.10	.12	.	....	T.	....	....	.35	.38	...	....	...	T.	.23	....	....	.02	....	....	....	....	T.	....	....	....	.02	....	....	....	1.22
Ridgefield[2]	Hackensack	T.	....	.17	.20	....	...	T.	. ..	....	.56	....	....	....	T.	.09	....	....	.10	...	....	....	....	T	....	.01	....	T.	77	..	....	.07	1.97
Runyon	Coast	....	....	.37	.09	...	....	....	....	....	.69	....	....	....	....	.30	....	....	....	.14	....	....	....	.02	....	....	....	....	.09	....	....	...	1.70
Sandy Hook[2]‡	Coast	T.	T.	.54	.12	T.	..	....	...	....	.50	...	....	....	T	.32	....	.. .	.07	....	....	....	....	.05	....	....	....	.08	.07	....	....	.25	2.00
Somerville(near)	Raritan	T.	....	.20	.18	...	....	..	....	....	.83	..	....	...	T	.26	....	....	.02	.07	.. .	....	....	....	....	.	....	.06	T	....	....	....	1.62
Sussex	Hudson	.23	T	.11	.38	....	....	T.	....	....	.65	....	.01	....	.14	.17	....	....	.09	.05	....	....	....	T.	...	T.	....	42	.01	....	.01	T.	2.27
Toms River	Coast	....	...	.22	.01	T.	....	....	....	....	.58	....	....	....	..	....	....	....	....	..	.05	....	....	.11	....	....	....	*	.51	....	...	.03	1.51
Trenton[1]‡	Delaware	T.	....	.10	.07	....	..	....	....	..	.76	....	....	....	T.	.14	...	....	.07	T.	....	T	....	.06	....	....	.. .	.01	.05	....	...	.32	1.58
Trenton No. 2[2]	Delaware	T.	....	.04	.07	....	....	....	....	....	.87	....	....	....	T	.17	.. .	....	.08	T.	....	....	....	.03	..	....	....	.03	.02	....	....	.36	1.67
Tuckerton	Coast	. .	.08	.24	.02	....	....	....	....	....	.66	...	....	....	....	....	.06	....	....	.02	....	...	....	.02	....	....	....	....	.59	....	....	.02	1.71
Vineland[3]	Maurice	....	.05	.34	....	....	....	....	....	....	.33	.48	....	....	....	. .	....	....	....	.02	....	....	....	....	....	.03	....	....	1 12	....	....	....	2.37
Westfield[3]‡	Rahway	....	.18	.18	....	....	....	....	....	....	.40	.40	....	....	....	.20	....	....	T.	....	....	....	....	....	....	....	...	....	.80	...	....	.50	2 66
Woodcliff Lake[2]‡	Hackensack	....	....	.18	.23	....	....	....	....	....	....	.55	....	....	....	.20	....	....	.09	..	...	....	....	....	....	....	....	.06	.38	....	....	.15	1.84
Woodstown	Delaware	....	....	....	....	....	....	....	....	....	.72	....	....	....	....	....	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.84
New York, N. Y[1]‡	Coast	T.	T.	.22	.21	....	....	T	....	....	.55	....	....	....	T.	.14	....	....	.05	....	....	....	....	T.	....	T.	....	.01	.02	....	T.	.23	1.43
Phila., Pa[1]‡	Delaware	....	T.	.01	T		....	....	....	....	.62	....	....	....	T.	.06	....	....	.04	....	....	....	....	.02	....	....	....	.01	.01	....	....	.33	1.10

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.080	.052	*	.030	.112	.128	.074	.176	.014	.040	.112	.096	.064	*	.042	.128	.048	.000	.160	.032	.064	.064	.010	.064	.128	.032	.004	*	*	*	.006	1.760
	Wind movement	3	2	2	3	10	8	7	17	6	17	19	7	3	12	6	10	2	4	1	3	10	4	29	15	14	7	24	16	3	4	11	284
Pleasantville[3]	Evaporation	.240	142	.016	.096	*	.224	.192	.320	.120	.040	.160	.128	.080	.128	.128	.160	.080	*	.100	.096	.096	.128	128	.064	.192	048	.060	.160	.096	*	.022	3 444
	Wind movement	47	37	99	28	43	34	69	104	58	86	102	13	42	65	58	66	10	54	31	46	43	39	90	58	37	59	112	111	30	20	137	1828
Runyon	Evaporation	.120	.120	.190	.090	.210	.210	.180	.150	.150	.090	.120	.120	.120	.120	.040	.120	.120	.060	.140	.060	.100	.100	.080	.080	.060	.080	.080	090	.060	080	.060	3.400
	Wind movement	31	12	9	20	16	20	22	18	24	16	18	9	9	11	7	23	26	24	15	16	12	16	33	34	21	24	16	30	20	12	14	578

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for October, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	90	70	72	80	84	91	79	84	66	67	64	68	65	70	73	66	59	65	75	66	74	68	70	61	60	59	68	68	51	62	63	69.6
	Minimum	68	66	67	70	70	74	70	61	52	51	47	50	54	61	62	48	42	58	57	50	60	53	51	41	43	40	59	38	36	43	55	54.7
Barnegat City‡	Maximum	88	72	73	83	81	91	80	83	66	66	62	72	67	75	73	65	58	64	72	67	75	66	67	59	58	60	68	66	50	61	60	69.8
	Minimum	54	57	56	56	65	66	66	56	50	48	37	36	50	56	55	43	40	52	52	49	51	50	46	41	43	36	57	34	33	38	46	49.0
Belleplain	Maximum	90	84	80	85	92	89	90	85	76	67	63	72	69	75	77	72	65	....	75	71	7[illegible]	72	73	69	59	58	74	....	58	62	66	73.9[b]
	Minimum	60	59	56	68	65	70	63	71	40	49	44	31	39	34	62	42	28	....	39	40	47	40	39	32	44	22	40	....	26	26	40	45.4[b]
Belvidere	Maximum	83	80	79	87	92	92	78	76	78	68	64	68	74	72	62	62	63	65	69	69	70	72	63	58	55	55	65	62	54	57	57	69.3
	Minimum	60	44	59	62	64	68	62	60	47	55	43	37	40	49	51	43	31	42	52	35	53	43	40	41	37	27	42	37	27	29	44	45.9
Boonton§§	Maximum	81	77	70	85	88	88	72	76	71	65	59	68	71	74	66	59	64	62	68	69	70	69	65	57	53	56	70	62	53	55	57	67.7
	Minimum	39	43	50	59	63	69	60	60	48	53	48	36	43	41	48	44	32	39	52	34	42	47	38	40	43	28	35	43	30	29	33	44.2
Bridgeton	Maximum	91	75	80	89	96	93	95	85	73	68	62	72	73	82	79	72	66	69	75	71	76	70	75	60	60	62	76	67	55	6[illegible]	65	74.0
	Minimum	64	60	60	69	67	70	65	69	49	55	46	40	45	50	63	46	39	44	58	45	52	50	46	38	43	31	42	45	31	34	45	50.4
Burlington	Maximum	80	68	76	81	85	85	85	81	73	69	62	62	73	82	72	71	65	65	73	70	74	71	67	61	59	60	70	70	56	62	58	70.6
	Minimum	62	55	63	69	67	67	67	69	55	61	56	54	44	48	62	50	37	48	57	43	50	50	44	42	48	30	42	45	43	43	44	52.1
Canoe Brook§§	Maximum	88	76	84	92	93	91	87	72	72	65	62	70	70	76	69	68	64	69	70	69	71	72	65	60	61	58	74	61	54	56	58	70.9
	Minimum	52	39	52	59	61	71	57	62	41	55	41	31	35	37	56	36	23	32	37	29	40	41	33	37	40	22	36	50	23	24	36	41.5
Cape May.‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Charlotteburg	Maximum	81	77	75	84	90	87	85	73	71	65	59	67	70	70	65	57	64	60	65	67	71	69	67	60	56	55	67	65	52	52	57	67.8
	Minimum	55	35	54	62	58	65	55	60	44	47	44	49	58	50	53	40	27	31	51	34	38	42	44	41	42	38	45	49	32	36	44	45.9
Chatsworth	Maximum	89	82	79	81	95	92	94	87	73	67	67	71	73	81	75	71	65	68	73	70	75	70	72	62	57	60	79	67	60	63	63	73.6
	Minimum	62	68	68	67	69	69	64	69	53	52	43	32	43	48	62	44	37	39	55	36	50	47	43	35	33	21	40	48	25	27	50	48.4
Clayton	Maximum	90	86	80	88	95	93	95	89	77	67	63	72	71	82	77	72	64	67	75	71	75	69	71	68	59	61	76	69	57	63	65	74.4
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Maximum	79	75	68	82	89	86	73	75	68	66	58	67	68	72	64	68	60	60	67	66	70	67	62	57	53	53	67	64	52	53	59	66.7
	Minimum	59	43	58	67	63	62	59	56	47	47	39	37	41	40	49	38	33	38	47	33	45	44	38	39	32	29	39	34	30	27	44	43.8
Elizabeth	Maximum	91	79	75	89	96	91	88	86	79	65	72	71	71	78	73	58	65	64	74	62	70	75	61	68	60	60	76	67	58	59	65	72.5
	Minimum	58	46	58	62	63	68	61	51	34	53	40	35	42	41	55	49	29	37	49	42	43	45	40	33	42	27	36	45	25	30	42	44.5
Flemington	Maximum	86	80	72	89	97	93	84	81	75	67	63	72	75	80	69	62	66	63	73	74	72	75	67	64	63	60	71	63	59	61	57	72.0
	Minimum	62	49	61	64	65	74	63	64	45	57	45	40	42	45	56	46	34	41	53	38	48	46	40	39	45	29	39	52	32	31	44	48.0
Freehold	Maximum	85	78	76	86	94	90	78	79	70	66	61	70	68	79	72	66	63	63	70	66	69	70	67	60	62	59	75	68	53	59	60	70.4
	Minimum	59	50	60	68	67	72	64	65	44	53	39	37	45	44	61	45	31	42	53	40	50	44	40	36	43	29	31	46	26	29	44	47.0
Hammonton	Maximum	91	84	80	88	95	94	95	87	77	72	68	74	73	82	78	70	65	68	76	72	76	70	78	67	61	62	78	69	57	64	65	75.2
	Minimum	61	62	58	70	67	70	63	70	45	60	44	37	43	46	61	45	32	43	56	38	50	48	46	35	42	26	41	49	28	28	45	48.7
Hightstown	Maximum	85	78	76	86	95	92	83	79	72	66	61	69	70	80	73	66	62	63	73	69	69	69	67	62	58	59	76	68	55	61	61	71.1
	Minimum	61	48	59	68	67	69	64	64	45	54	44	38	42	42	61	44	30	41	52	36	47	45	43	36	44	28	43	48	27	29	44	47.2
Indian Mills(near)	Maximum	88	77	78	87	95	93	93	82	73	67	62	71	73	81	75	69	64	66	74	72	75	70	73	62	59	61	77	70	57	63	63	73.2
	Minimum	61	55	59	68	67	70	63	69	43	54	43	36	39	48	63	44	29	43	55	35	48	46	44	35	41	23	43	43	24	25	42	47.0
Jersey City	Maximum	83	77	68	89	93	91	82	79	69	66	64	70	70	78	75	63	63	64	69	64	71	72	67	61	58	57	75	67	64	55	59	70.4
	Minimum	60	54	60	67	73	78	63	68	53	61	48	48	54	53	59	51	41	51	56	43	58	53	51	44	49	41	51	41	35	35	51	53.2
Lakewood	Maximum	85	79	77	87	93	93	89	81	71	64	63	71	67	79	73	69	62	65	73	66	71	68	71	60	57	57	77	68	54	59	60	71.3
	Minimum	62	52	61	67	66	70	66	68	45	53	43	37	41	40	61	44	31	39	56	40	49	46	45	35	40	28	39	36	27	30	42	47.1
Lambertville	Maximum	85	80	70	87	95	93	87	79	73	68	63	71	71	81	72	64	63	64	72	70	72	72	66	61	58	58	72	69	56	60	61	68.6
	Minimum	63	48	62	66	65	70	65	61	45	56	46	35	40	47	62	43	30	40	51	36	47	47	40	39	47	28	43	44	27	29	43	47.3
Layton(near)	Maximum	81	78	63	84	93	87	73	75	71	65	59	69	71	67	61	57	65	61	68	68	73	69	62	61	50	56	69	63	55	54	56	67.2
	Minimum	59	39	56	61	61	66	57	61	50	50	43	31	37	40	48	35	25	37	42	30	36	46	36	34	35	23	34	34	2[illegible]	25	31	41.5
Little Falls§§	Maximum	33	78	77	88	92	90	71	78	73	65	62	70	72	75	70	66	75	71	76	78	72	73	65	60	58	58	73	61	54	56	59	70.9
	Minimum	53	45	58	58	64	70	60	62	47	55	47	37	45	42	59	43	32	39	53	35	44	45	39	39	44	30	38	55	28	30	42	46.4
Long Branch*	Maximum	86	71	75	88	95	91	77	80	65	67	62	72	65	81	71	62	58	64	71	61	69	70	70	61	57	51	74	68	51	60	60	69.5
	Minimum	65	58	62	70	72	70	65	58	50	48	43	39	46	48	57	40	32	46	55	49	51	50	48	40	37	32	50	38	36	33	48	49.5
Long Valley§§	Maximum	82	82	68	86	90	91	72	70	72	64	62	70	71	74	68	62	63	62	67	70	68	77	65	60	57	58	70	59	51	57	58	68.6
	Minimum	38	40	53	58	60	66	59	59	45	50	41	31	38	39	53	39	28	33	43	29	37	43	34	36	37	25	36	50	29	25	30	41.4
Moorestown*	Maximum	87	76	79	87	95	92	91	85	74	68	61	70	70	81	73	66	63	65	72	70	74	69	66	60	58	62	74	67	59	61	61	72.1
	Minimum	61	55	60	69	68	71	65	57	47	57	46	41	41	48	57	37	32	48	55	40	53	47	46	42	46	30	64	34	29	31	44	49.1
Newark*	Maximum	82	74	69	85	93	90	68	77	68	66	61	69	68	78	67	60	61	62	69	65	69	71	65	59	55	56	74	68	51	56	58	68.2
	Minimum	63	52	59	68	69	67	63	56	53	48	44	44	50	49	54	46	39	46	51	45	49	50	46	42	40	37	45	37	34	36	47	49.3
New Brunswick	Maximum	85	80	69	86	94	92	87	78	73	69	63	70	68	80	72	60	63	63	71	69	69	71	66	60	56	57	71	69	57	59	59	70.5
	Minimum	62	51	59	65	67	76	63	64	46	55	45	40	43	60	60	46	32	43	55	40	49	47	45	36	45	30	40	47	27	31	45	48.8
Newton	Maximum	82	79	69	85	90	90	75	75	71	64	59	69	71	69	62	58	61	62	62	68	71	69	62	58	52	56	67	62	59	56	55	67.4
	Minimum	57	43	55	60	64	62	56	58	46	49	41	39	41	49	50	42	30	37	50	32	45	44	42	36	36	30	41	35	27	26	31	43.7
N. Merchantville*	Maximum	87	75	80	89	96	94	88	81	69	69	64	71	70	81	73	63	65	66	73	69	75	68	67	60	60	61	74	66	56	64	60	72.1
	Minimum	66	57	62	70	69	72	66	59	51	51	47	43	49	49	58	43	39	50	52	45	54	50	49	44	47	36	46	38	32	35	47	50.8
Paterson§§	Maximum	85	79	70	88	93	90	70	79	74	67	62	71	73	75	67	61	68	65	71	72	73	74	66	60	55	59	74	63	57	55	59	70.2
	Minimum	43	47	53	58	65	68	59	60	49	53	47	40	47	44	51	46	35	40	48	37	43	48	42	40	42	34	38	45	32	31	36	45.8
Pemberton	Maximum	87	81	79	89	95	95	90	82	74	68	64	71	75	81	73	72	66	65	74	72	74	72	69	65	60	62	77	69	57	64	60	73.6
	Minimum	61	58	62	70	68	69	66	70	46	54	44	37	43	47	62	46	33	48	56	42	50	48	45	39	44	30	42	48	29	30	45	49.4
Phillipsburg	Maximum	79	71	68	80	88	86	75	76	67	66	61	68	69	76	65	60	61	62	70	65	69	68	64	58	55	55	66	63	50	55	56	66.8
	Minimum	60	45	60	64	63	41	62	57	48	48	43	37	40	48	53	40	32	40	48	34	46	46	40	41	37	29	42	36	30	30	45	44.7
Plainfield	Maximum	84	78	65	86	94	93	74	79	72	65	63	70	70	78	68	62	64	63	72	69	70	72	65	60	57	58	74	68	56	58	58	69.8
	Minimum	63	50	62	65	66	74	64	60	47	57	46	38	47	45	56	45	36	41	52	44	48	50	43	41	45	32	40	42	31	33	47	48.7
Pleasantville§§	Maximum	92	73	76	87	94	93	87	85	69	69	64	70	68	76	78	65	60	72	76	76	77	70	74	61	62	63	73	70	54	62	65	72.9
	Minimum	52	63	62	67	64	69	63	71	44	55	44	31	42	50	63	43	29	36	51	40	40	42	43	32	44	22	44	61	28	26	41	47.2
Ridgefield*	Maximum	83	76	65	87	93	90	67	79	70	66	62	71	72	75	66	60	65	64	69	77	71	72	65	60	54	57	73	67	53	55	57	69.1
	Minimum	58	49	60	63	67	73	62	54	46	47	42	42	47	46	50	39	34	45	44	39	50	46	46	39	44	34	43	36	31	32	47	46.9
Runyon	Maximum	85	78	78	88	95	93	85	79	72	74	67	69	74	76	78	68	65	72	72	70	71	72	75	68	72	68	74	76	82	69	62	75.1
	Minimum	60	42	48	68	62	60	60	56	44	40	43	44	31	48	58	40	21	33	49	44	34	40	32	34	44	18	34	56	17	22	40	42.6
Sandy Hook‡	Maximum	79	70	72	83	88	88	77	76	64	65	61	68	64	76	66	60	58	62	66	60	65	67	66	58	55	55	69	66	50	55	56	66.6
	Minimum	63	61	63	64	70	66	65	57	54	51	46	49	56	55	57	47	45	52	55	50	56	54	48	45	46	43	50	50	37	46	50	53.3
Somerville(near)	Maximum	79	78	69	85	92	90	73	75	72	65	63	70	71	78	66	60	63	63	71	68	68	70	65	58	55	59	71	68	58	55	58	68.9
	Minimum	62	51	64	63	62	72	61	59	46	53	42	41	46	46	55	44	34	40	40	38	40	49	45	38	43	30	43	38	29	34	45	46.9
Sussex	Maximum	82	79	69	85	92	89	75	75	71	64	59	69	71	69	62	58	63	62	65	66	73	67	63	59	53	56	72	63	53	55	56	67.6
	Minimum	60	39	57	62	63	67	59	59	43	54	43	34	42	43	50	42	30	37	52	32	39	44	37	37	38	27	36	39	24	29	41	43.8
Trenton*	Maximum	84	75	78	85	94	91	77	78	70	67	61	69	70	80	69	61	62	63	71	68	72	69	67	59	56	57	74	68	55	59	59	69.9
	Minimum	66	56	62	70	70	70	65	58	50	50	47	44	50	51	56	44	39	50	53	45	55	52	48	42	43	38	48	36	33	36	48	50.8
Trenton No. 2*	Maximum	85	76	78	88	95	91	79	79	71	68	62	70	70	80	69	61	62	64	70	69	71	70	66	60	58	58	75	66	56	60	60	70.5
	Minimum	62	52	61	69	69	70	65	59	48	51	46	41	46	48	56	40	35	49	51	42	53	49	47	40	42	33	44	37	31	33	46	48.9
Tuckerton	Maximum	92	80	75	85	95	97	88	85	72	67	68	70	70	75	78	74	68	68	75	70	78	75	70	68	67	59	73	68	60	63	65	74.1
	Minimum	60	60	64	70	62	72	68	65	42	58	44	37	45	50	63	46	38	40	58	42	51	47	50	35	45	30	46	48	31	34	45	49.9
New York, N. Y.*	Maximum	81	74	71	85	90	89	72	76	69	65	60	67	68	76	67	60	62	62	66	67	67	71	64	58	55	57	70	67	51	56	59	67.8
	Minimum	64	60	59	69	72	67	63	56	53	51	48	48	54	54	55	46	42	50	54	52	54	53	47	43	44	41	52	37	36	44	49	52.2
Philadelphia, Pa.*	Maximum	85	72	79	88	94	93	89	80	70	70	62	70	69	80	73	66	63	64	75	70	75	71	68	59	60	59	74	67	55	61	60	71.6
	Minimum	66	62	63	71	72	74	65	61	54	52	48	47	55	55	59	50	44	53	57	49	58	54	50	45	48	42	52	38	36	41	51	54.0

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. NOVEMBER, 1941. No. 11.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein.

GENERAL SUMMARY.

This was the warmest November since 1935 and the third consecutive month with above-normal temperature. All stations showed plus departures. The first week was warm, followed by slightly cooler than normal from the 9th to 13th. It was unusually warm on the 19th and 20th with most stations recording maxima in the seventies on the latter date. No records were broken for warmth, however, and the monthly minimum for the State of 13° is higher than for most Novembers. The last few days were unusually mild for the season.

The State average precipitation this month of 2.90 inches, while slightly below normal, is much greater than for the preceding two months of September and October combined. It was sufficient to greatly replenish top soil moisture and water supplies which had become quite low in many localities. Excellent rains fell on the first day of the month; there were moderate rains on the 6-7th; also good rains on the 23d. The rains of the month were particularly beneficial for germinating fall sown grains and grasses, and the mild temperature promoted the growth of these crops. There was no snowfall at any station in the State which is unusual for November, and in marked contrast to three years ago this month when the State average snowfall was 12.6 inches. There were no destructive storms this month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 46.8°, which was 3.1° above normal. The highest temperature was 78° at Charlotteburg on the 20th, and the lowest, 13°, at Layton on the 25th. The greatest daily range of temperature was 49° at Runyon on the 18th. The highest monthly mean temperature was 52.1° at Clayton, and the lowest, 42.3° at Layton.

The temperature departure from the normal for the year, 1941, to date, for the State is +0.8°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 60 stations, was 2.90 inches, which was 0 30 inch below normal. The greatest monthly precipitation was 4.03 inches at Elizabeth, and the least, 1.31 inches at Atlantic City. The greatest amount of precipitation in any 24 consecutive hours was 1.95 inches at Belvidere on the 1st. The average for the Highlands was 3.35 inches, for the Red Sandstone Plain 3.16 inches, and for the Southern Interior 2.92 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −7.07 inches; Red Sandstone Plain, −6.83 inches; Southern Interior, −6.01 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 5, 6, 7, 15, 16, 20, 23, 29.
SLEET: 9, 23

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.08	30.53	28	29.40	7	14.7	38	s.	23	73	55	66	68
Long Branch	30.05	30.55	28	29.37	7	13.0	38	w.	1	72	50	58	70
Ridgefield	30.04	30.50	28	29.40	7	. .	....	. . .	....	....	...	....	....
Sandy Hook	....	....	....	....	....	......	....	.....	....	....	....	....	....
Trenton	30.06	30.52	28	29 38	7	8.1	26	s.	20	77	48	58	60

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	......	......	......	......	......
1886	44.5	73	17	4.49	......	......	......	......	......
1887	41.5	72	13	1.94	......	6	......	......	......
1888	45.8	77	8	3.97	......	10	......	......	......
1889	45.7	69	13	8.48	......	13	......	......	......
1890	43.8	74	11	0.82	......	8	13	12	5
1891	42.2	70	6	2.39	......	4	12	10	8
1892	41.9	71	12	7.29	......	11	8	9	13
1893	41.8	70	11	3.48	......	7	10	11	9
1894	40.3	76	11	3.34	......	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	14.7	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	38.5	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0 96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	0.56	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	83	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	50.3	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
1938	45.6	80	−7	3.42	12.6	12	14	6	10
1939	41.5	78	12	1.86	0.2	4	17	6	7
1940	43.5	76	10	4.66	1.0	10	8	7	15
1941	46.8	78	13	2.90	0	5	17	8	6
Period	43.7	83	−7	3.20	1.3	8	12	8	10

Climatological Data for November, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	51.0	+5.4	66	30	29	25	29	1.31	−1.51	0.73	0	4	12	10	8	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	48.4	....	73	28	27	27	37	1.45	−2.54	0.92	0	3	11	15	4	w.	U. S. Coast Guard.
Belleplain	Cape May	49	47	45.2	+0.4	73	20	17	25	43	2.20	−0.34	0.89	0	7	19	8	3	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	....	....	....	....	....	....	....	3.23	....	1.30	0	7	11	8	11	nw.	Fred Fiue.
Belvidere	Warren	289	50	44.8	+3.4	66	1†	20	25	33	3.97	+0.78	1.95	0	5	15	6	9	....	Miss C. S. Hixson.
Berlin	Camden	70	....	....	....	....	....	....	....	....	2.93	....	1.30	0	3	26	0	4	....	Samuel H. McCulley.
Boonton	Morris	280	§51	43.6	+2.2	69	20	18	25	37	3.35	+0.34	1.12	0	5	20	0	10	ne.	John Khue.
Bridgeton	Cumberland	30	58	48.0	+2.3	73	20	24	25	38	2.68	+0.08	1.27	0	9	26	0	4	w.	Bennett K. Matlack
Brooklawn	Camden	30	....	....	....	....	....	....	....	....	2.47	....	0.91	0	5	....	....	....	....	C. D. Scott.
Burlington	Burlington	12	§55	46.5	+0.8	73	5	22	25	34	3.04	+0.06	1.14	0	6	24	3	3	w.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	11	43.7	+2.0	77	20	15	25	48	3.61	+0.09	1.13	0	7	15	8	7	w.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	51.7	+4.3	68	2	34	25	25	....	....	....	0	....	17	5	8	....	Naval Air Station.
Charlotteburg‡‡	Passaic	760	49	49.5	+8.8	78	20	26	25	33	3.86	+0.24	1.48	0	6	11	9	10	w.	Newark Water Dept.
Chatham	Morris	185	37	....	....	....	....	....	....	....	3.38	−0.06	1.18	0	7	14	10	6	....	Paul Molitor, Sr.
Chatsworth	Burlington	90	....	46.3	....	74	20	15	25	41	2.39	....	0.95	0	4	20	6	4	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	51.4	+7.0	74	20	19	25	36	2.67	−0.05	1.15	0	3	13	3	14	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	....	....	....	....	....	....	....	3.43	+0.33	1.70	0	6	....	....	....	....	L. S. Depue.
Dayton	Middlesex	90	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	Edward Visinski.
Dover	Morris	600	57	44.2	+3.5	71	19	18	25	37	3.47	−0.08	1.78	0	4	5	18	7	....	William C. Harris
Egg Harbor City	Atlantic	63	19	....	....	....	....	....	....	....	1.50	−2.20	0.81	0	5	25	2	3	....	Chas. E. Hall.
Elizabeth	Union	34	62	46.3	+2.4	74	14	20	25†	46	4.03	+1.11	1.93	0	6	22	4	4	....	Union County Park Comm
Flemington	Hunterdon	140	§55	46.8	+3.2	72	20	21	25	41	2.95	0.00	1.49	0	5	18	7	5	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	47.0	....	72	20	22	25	29	3.20	−0.63	1.31	0	6	23	4	3	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	48.0	....	75	20	21	25	42	2.06	−0.98	1.07	0	4	20	6	4	w.	J. G. Wilson.
Hightstown	Mercer	110	48	46.0	+2.2	73	20	20	25	38	3.09	+0.18	1.31	0	6	18	9	3	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	46.3	+2.4	74	20	15	25	44	2.45	−0.55	1.05	0	5	15	12	3	sw.	Edward Entwistle.
Jersey City	Hudson	81	43	50.2	+0.3	73	20	32	25	27	2.98	−0.02	1.40	0	6	14	11	5	sw.	Jersey Journal.
Lakewood	Ocean	54	37	47.6	+3.8	75	20	20	25	41	2.89	−0.20	1.26	0	6	10	15	5	w.	R. W. Holman.
Lambertville	Hunterdon	75	54	46.0	+2.8	73	20	19	25	45	2.84	−0.16	1.22	0	5	17	9	4	w.	George Bailey.
Layton(near)‡‡	Sussex	480	40	42.3	+2.8	69	19	13	25	44	3.10	+0.03	1.42	0	6	10	6	14	w.	A. M. Depue.
Little Falls	Passaic	157	38	45.8	+2.7	74	15	20	25	44	3.39	−0.01	1.27	0	7	15	9	6	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	48.1	+3.7	75	20	25	25	34	2.71	−0.85	0.98	0	5	8	15	7	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	43.2	....	71	20	16	25	42	3.63	....	1.19	0	6	20	6	4	w.	Arthur Barkman.
Marlton	Burlington	90	....	....	....	....	....	....	....	....	2.82	....	0.75	0	5	....	....	....	....	David Griscom.
Millville	Cumberland	60	1	....	....	....	....	....	....	....	1.70	....	0 89	0	4	21	5	4	....	Paul Ritchie.
Moorestown	Burlington	62	78	47.6	+4.5	74	20	22	25	39	2.98	+0.07	0.75	0	8	13	10	7	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	....	....	....	....	....	....	....	2.83	....	1.37	0	4	22	4	4	....	James C. Long.
Newark	Essex	10	42	47.4	+3.6	72	20	28	25	32	2.87	−0.22	1.34	0	5	11	7	12	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	47.2	+3.5	73	20	22	25	37	3.06	+0.22	1.31	0	5	14	11	5	w.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	....	....	....	....	....	....	....	2.39	−0.72	1.17	0	5	....	....	....	....	Hackensack Water Co
Newton	Sussex	769	58	44.2	+3.3	67	19†	18	25	34	2.87	−0.20	1.58	0	4	13	6	11	sw.	Irving J. Kern.
N. Merchantville	Camden	63	7	49 2	....	75	20	29	25	34	2.62	....	1.06	0	5	16	8	6	nw.	A. Reuleaux Heintze.
Orange	Essex	140	....	....	....	....	....	....	....	....	3.74	....	1.57	0	5	....	....	....	....	H. J. Finley.
Paterson	Passaic	95	70	46.4	+2.6	72	19†	24	25	37	2.96	−0.16	1.35	0	4	21	4	5	w.	J. W. Cook.
Pemberton	Burlington	55	11	47.9	+1.7	75	20	20	25	41	2.87	−0.23	1.45	0	4	18	6	6	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	44.4	+2.5	68	20	21	25	34	3.10	+0.27	1.32	0	6	17	7	6	....	Town Engineer.
Plainfield	Union	120	53	47.2	+4.3	73	20	23	25	36	3.22	+0.17	1.59	0	6	12	12	6	sw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	....	....	....	....	....	....	....	3.26	....	1.45	0	5	....	....	....	....	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	46.2	+1.2	69	14†	18	26	46	2.11	−0.71	0.65	0	7	25	2	3	sw.	N. J. Water Policy Comm.
Rahway	Union	20	1	....	....	....	....	....	....	....	3 17	....	1.10	0	5	15	9	6	....	Louis Fontenelli.
Ridgefield	Bergen	80	24	46.6	+3.6	73	20	25	25	30	3.01	+0.17	1.22	0	6	11	13	6	w.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	43.9	+1.1	74	20	14	22	49	3.42	+0.23	1.56	0	4	25	2	3	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	48.6	+2.8	69	20	33	25	21	2.79	−0.46	1.13	0	5	12	13	5	sw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	58	46.6	+3.8	73	20	23	25	30	2.92	−0.05	1.44	0	5	17	5	8	nw.	Richard H. Rogers.
Sussex	Sussex	450	46	44.7	+2.8	67	19†	17	25	39	3.26	+0.44	1.52	0	6	16	5	9	w.	Marshall Hunt.
Toms River	Ocean	33	20	....	....	....	....	....	....	....	2.74	−0.78	1.00	0	5	....	....	....	....	Robt. F, Snyder.
Trenton	Mercer	56	69	48.3	+3.9	73	20	27	25	32	2.66	−0.07	0.99	0	5	9	12	9	w.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	11	47.8	....	73	20	25	25	33	2.95	....	1.11	0	4	....	....	....	....	Edward H. Ristow.
Tuckerton	Ocean	23	48	49.9	+4.5	70	19	25	25	38	2.88	−0.12	1.30	0	8	20	6	4	nw.	John H. Brown.
Vineland	Cumberland	109	61	....	....	....	....	....	....	....	2.31	−0.35	0 60	0	7	....	....	....	....	Edward H. Ladd.
Westfield	Union	145	1	....	....	....	....	....	....	....	3.09	....	1.13	0	5	23	2	5	w.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	....	....	....	....	....	....	....	2.89	−0.20	1.49	0	4	....	....	....	....	Hackensack Water Co.
Woodstown	Salem	16	7	....	....	....	....	....	....	....	2.85	....	1.50	0	3	23	3	4	sw.	Geo. S. Keen
New York, N. Y.	....	10	76	49.6	+5.4	70	20	31	25	26	2.78	−0.18	1.14	0	6	13	13	4	sw.	U. S. Weather Bureau
Philadelphia, Pa	....	26	70	50.4	+4.7	73	20	32	25	25	2.36	−0.34	1.00	0	5	10	14	6	sw.	U. S. Weather Bureau.
For the State	....	....	....	46.8	+3.1	78	20	13	25	49	2.90	−0.30	1.95	0	5	17	8	6	w.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-1-29-42-925

Daily Precipitation for November, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.39			T.	T.	.18	T.		T.														.73	.01								1.31
Barnegat City[4]	Coast	.36					.17			T.												T.		.92									1.45
Belleplain	Tuckahoe	.73	.07			.09	.31	.09																.89	.02								2.20
Belmar	Coast	1.30	.02				.86	.11		.03												.02		.89									3.23
Belvidere	Delaware	1.95					.60	.70													T.		.05	.67									3.97
Berlin	Mullica	1.30						.83														T.		.80									2.93
Boonton[3]	Passaic	.80	1.12				T.	.96																.17	30								3.35
Bridgeton	Delaware	.73				.04	.40	.18																1 27	.06								2.68
Brooklawn	do	.87	.03				.50	.16																.91						T.			2.47
Burlington	Delaware	1.14	.15				.64	.11														.02		.98									3.04
Canoe Brook[3]	Passaic	.95	.85				.06	1.13														.02		.31	.29								3.61
Cape May[2]	Coast																																
Charlotteburg	Passaic	1.48	.60				.55	.75														.02		.46									3.86
Chatham[3]	do	.78	.83				.03	1.18			.03											T		.40	.13								3.38
Chatsworth	Delaware	.95					.45	.07																.92									2.39
Clayton	Delaware	1.15					.63																	.89									2.67
Culvers Lake	do	1.70	.25				.35	.72														.03		.38									3.43
Dayton	Raritan																																
Dover	Passaic	1.78					.98	.13																.58									3.47
Egg Harbor City[2]	Mullica	.19			.01		.47															.02		.81									1.50
Elizabeth	Coast	1.93	.08				.94	.18		.04														.86									4.03
Flemington	Raritan	1.49	.20				.41	.18		T.												T.		.67									2.95
Freehold	do	1.31	.02				.68	.10		.18														.91									3.20
Hammonton	Mullica	1.07	.02			T.	T.	.08																.89									2.06
Hightstown	Raritan	1.31	.15				.53	.09		.02												T.		.99									3.09
Indian Mills	Mullica	1.05	T.			T.	.43	.05														.01		.91									2.45
Jersey City	Coast	1.40	.03				.52	.25	T.	.04	T.										T	T.		.74									2.98
Lakewood	Metedeconk	1.26	.05				.50	.09		.13												T.		.86									2.89
Lambertville	Delaware	1.22	.14		T.		.41	.17														T.		.90									2.84
Layton(near)	do	1.42	.26				.22	.73														.05		.42									3.10
Little Falls[3]	Passaic	.77	.79				02	1.27			.01													.49	.04								3.39
Long Branch[2]‡	Coast	.98					.71	.05		.05														.92									2.71
Long Valley[3]	Raritan	.68	1 19					1.16														.05		.22	.33								3.63
Marlton	Delaware	.74	.55					.75																.50	.28								2.82
Millville[2]‡	Maurice	.33					.46																	.89	.02								1.70
Moorestown[3]	Delaware	.75	.47	T.			.02	.66	.10													.01		.50	.47	T.							2.98
Morris Plains	Passaic	.89					1.37			.01												T.		.56									2.83
Newark[1]	Coast	1.34	T.				.70	.02		.03											T.	T.		.78									2.87
New Brunswick	Raritan	1.31	.12			T.	.56	.12		T.														.95									3.06
New Milford[2]‡	Hackensack	1.17					.46	.25													.01			.50									2.39
Newton	Delaware	1.58	.29				.40	.60																									2.87
N. Merchantville[2]‡	Delaware	.80	.08				.67	T.													T	.01		1.06									2.62
Orange[2]‡	Passaic	1.57					1.47	.09			.01													.60									3.74
Paterson[3]	Passaic	1.35	T.				1.03	.10		T.											T.			.48									2.96
Pemberton	Delaware	1.45					.54			.08														.80						T.			2.87
Phillipsburg	do	1.32	.18		T.		65	.25		T											T.	04		.66									3.10
Plainfield	Raritan	1.59	.01				.78	.15	T.	.01												T.		.68									3.22
Plainsboro	Delaware	1.45	.05				.57	.09																1.10									3.26
Pleasantville[3]	Coast	.63	.22			.02	.07	.29																.23	.65								2.11
Rahway[3]‡	Rahway	1.10	.57					.76														T.		.35	.39								3.17
Ridgefield[2]	Hackensack	1.22	.05				.77	.32	T.	.03											T.			.62							T.		3.01
Runyon	Coast	1.56					.68	.11																1.07									3.42
Sandy Hook[2]‡	Coast	1.13	T.			T.	.65	.04	T.	.07											T.	T.		.90									2.79
Somerville(near)	Raritan	1.44	.08				.53	.21		T.														.66									2.92
Sussex	Hudson	1.52	.26				.32	.63														.11		.42									3.26
Toms River	Coast	1.00					.72	.05	.05															.92									2.74
Trenton[1]‡	Delaware	.91	.03		T.		.72	.01													T.	T.		.99									2.66
Trenton No. 2[2]	Delaware	1.04					.69	.11		T.											T.			1.11									2.95
Tuckerton	Coast	.86	.12			.02	.45	.09		.02											.02			1.30									2.88
Vineland[3]	Maurice	.52	.28			.01	.06	.36																.48	.60								2.31
Westfield[3]‡	Rahway	.90	.30					1.13		T.											T.			.35	.41								3.09
Woodcliff Lake[2]‡	Hackensack	1.49					.57	.35																.48									2.89
Woodstown	Delaware	1.50					.45																	.90									2.85
New York, N. Y[1]‡	Coast	1.14	.04				.66	.13	T.	.03											T.	T.		.78									2.78
Phila., Pa[1]‡	Delaware	.66	.10		T.	T.	.59														T.	.01		1.00									2.36

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation																																
	Wind movement																																
Runyon	Evaporation	.010	.060	.060	.060	.120	.030	.010	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.060	.070	.040								1.700
	Wind movement	16	24	27	29	24	20	11	22	19	22	34	41	24	26	19	19	18	15	52	46	38	36	18	12	12	38	36	30	32	28		788

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for November, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	65	64	63	60	64	62	63	60	58	48	49	47	53	61	63	65	49	58	60	62	65	50	57	49	47	55	63	59	59	66	....	58.1
	Minimum	59	52	46	42	57	59	49	45	41	36	33	35	34	49	51	43	36	48	54	56	36	31	46	36	29	39	40	42	51	43	....	43.9
Barnegat City‡	Maximum	64	63	63	59	63	63	62	62	58	47	60	58	59	60	61	63	49	60	64	64	56	50	56	50	46	54	60	73	64	65	....	59.2
	Minimum	52	46	41	42	56	52	45	36	37	32	28	29	30	33	32	38	32	37	45	51	35	32	43	31	28	32	27	36	30	36	....	37.5
Belleplain	Maximum	67	68	62	62	69	69	65	57	61	51	49	47	51	67	63	60	55	58	63	73	66	46	49	47	40	48	55	55	64	61	....	58.3
	Minimum	56	46	30	27	44	51	49	29	27	28	21	29	20	24	25	38	21	24	42	53	41	22	28	38	17	18	25	28	27	36	....	32.1
Belvidere	Maximum	66	65	60	59	65	60	62	52	49	47	44	45	50	61	61	59	50	59	64	66	64	48	48	46	41	51	55	60	59	60	....	55.9
	Minimum	50	46	42	30	45	44	45	33	30	29	28	33	36	28	30	36	29	26	31	34	39	29	35	32	20	26	27	29	27	38	....	33.6
Boonton§§	Maximum	65	58	59	58	66	60	58	52	49	46	44	46	50	63	64	60	52	60	67	69	50	39	51	44	42	51	57	58	62	59	....	55.3
	Minimum	47	48	36	29	31	44	53	31	27	32	28	30	35	28	29	31	29	27	32	36	41	25	27	38	18	19	25	28	25	25	....	31.8
Bridgeton	Maximum	66	66	61	62	70	67	64	57	60	47	48	45	54	64	69	63	55	64	70	73	65	50	49	49	47	53	62	62	65	67	....	59.8
	Minimum	57	46	37	33	49	51	42	36	34	35	27	31	26	31	31	40	31	32	40	49	40	29	35	36	24	25	29	33	36	37	....	36.1
Burlington	Maximum	66	64	60	62	73	67	65	54	53	45	48	46	48	52	62	53	48	61	67	66	67	51	47	48	46	53	60	63	50	64	...	57.0
	Minimum	53	47	42	30	45	49	52	37	33	37	32	34	30	30	28	35	40	28	33	38	42	38	33	38	22	23	32	31	30	39	....	36.0
Canoe Brook§§	Maximum	66	61	61	60	67	62	60	57	50	47	45	47	51	67	71	61	53	63	75	77	57	51	43	47	45	52	58	62	62	63	.. .	58.0
	Minimum	48	44	38	23	37	39	52	27	24	27	21	31	28	25	23	28	25	23	29	33	40	19	27	39	15	18	24	21	21	28	.. .	29.4
Cape May.*	Maximum	63	67	61	60	60	65	63	60	60	48	46	48	56	60	64	62	50	60	63	66	66	50	57	50	47	55	64	57	63	65	....	58.5
	Minimum	59	49	49	49	45	59	50	44	42	40	38	37	36	43	44	44	42	49	56	58	42	40	47	36	34	38	40	46	45	45	....	44.9
Charlotteburg	Maximum	66	64	61	62	64	63	60	58	55	57	49	45	59	63	65	62	62	65	75	78	70	48	49	49	44	50	56	55	64	59	....	59.2
	Minimum	51	50	46	32	44	44	56	37	32	37	35	38	31	37	41	44	34	38	45	45	44	36	36	40	26	31	42	38	35	50	....	39.8
Chatsworth	Maximum	66	67	65	62	68	65	64	64	54	46	47	47	51	66	69	62	52	63	70	74	65	50	53	48	45	51	59	61	64	65	....	59.4
	Minimum	53	46	33	26	40	50	52	30	27	29	25	26	22	25	43	39	25	22	30	43	42	29	45	34	15	18	23	25	26	54	....	33.2
Clayton	Maximum	67	68	62	63	70	67	66	57	59	49	48	46	54	67	69	70	57	63	69	74	72	56	47	48	45	52	61	61	64	66	....	59.9
	Minimum	61	55	54	52	61	52	55	51	49	42	42	42	42	49	53	57	41	28	33	46	40	27	31	38	19	21	29	49	32	38	....	43.0
Dover	Maximum	65	65	59	57	67	56	60	51	47	46	43	44	48	62	63	58	51	62	71	70	54	52	49	45	42	51	56	58	62	59	....	55.8
	Minimum	47	46	39	29	45	43	42	32	27	30	29	31	31	29	28	38	27	26	37	36	34	27	36	28	18	22	34	30	25	34	....	32.7
Elizabeth	Maximum	63	63	64	53	70	59	65	54	48	43	50	49	53	74	70	64	52	63	68	73	70	52	52	54	51	58	71	71	65	69	....	60.4
	Minimum	48	45	35	28	39	46	52	30	28	26	23	30	29	28	30	34	26	26	31	36	40	22	30	35	20	20	32	30	28	40	....	32.2
Flemington	Maximum	64	64	64	62	71	65	63	55	50	50	49	48	55	70	67	56	56	63	68	72	69	53	52	49	46	53	60	64	66	55	....	59.3
	Minimum	50	46	42	30	43	46	50	34	30	31	29	32	34	29	30	40	29	27	32	36	41	28	33	36	21	22	29	29	28	40	....	34.2
Freehold	Maximum	63	68	61	61	68	62	64	55	52	45	48	45	52	53	68	60	54	61	68	72	67	49	52	46	46	51	57	61	61	62	....	57.7
	Minimum	51	47	45	34	45	51	49	35	30	31	29	29	29	32	41	42	28	32	40	44	41	27	35	34	22	26	31	35	34	41	....	36.3
Hammonton	Maximum	68	64	64	64	70	66	64	62	60	48	49	47	55	71	71	64	56	65	71	75	65	51	53	47	48	53	62	64	65	68	....	61.0
	Minimum	58	47	35	30	45	49	50	34	30	31	26	29	26	29	29	37	28	30	37	51	41	27	32	37	21	24	30	31	30	42	....	34.9
Hightstown	Maximum	64	67	60	59	69	63	63	56	52	45	47	47	51	66	67	61	51	60	67	73	66	49	49	47	45	51	57	61	59	63	....	57.8
	Minimum	50	44	42	31	43	46	49	33	30	30	28	30	29	29	29	38	28	28	38	44	38	26	34	37	25	24	31	30	28	40	....	34.2
Indian Mills(near)	Maximum	67	67	61	63	70	67	64	57	56	47	48	47	53	70	70	63	53	65	70	74	66	50	49	47	47	53	61	62	65	66	....	59.9
	Minimum	54	46	33	26	42	47	50	30	27	30	25	28	24	26	27	39	29	27	33	51	40	25	33	35	15	19	25	27	27	42	...	32.7
Jersey City	Maximum	60	66	62	60	65	62	61	56	53	48	48	48	52	67	63	61	53	63	67	73	69	48	53	49	45	50	60	61	59	63	.. .	58.2
	Minimum	49	54	46	43	54	52	46	43	39	36	35	35	39	40	42	47	33	41	46	50	44	35	43	42	32	34	38	46	38	42	....	42.1
Lakewood	Maximum	64	65	63	64	67	64	64	57	53	46	49	49	52	69	70	64	53	64	70	75	67	50	55	48	47	53	60	62	66	67	....	59.9
	Minimum	53	47	40	30	45	49	53	33	30	31	28	30	28	30	29	40	30	29	38	53	42	27	32	35	20	25	32	31	28	45	...	35.4
Lambertville	Maximum	65	67	61	62	68	63	64	55	53	47	46	45	53	68	66	61	54	63	68	73	68	54	47	47	45	53	58	62	63	63	....	58.7
	Minimum	51	48	44	30	42	45	51	33	30	29	26	29	32	28	27	36	26	26	33	38	41	23	33	39	19	21	28	28	26	35	....	33.2
Layton(near)	Maximum	52	65	63	58	63	55	58	52	49	45	43	44	50	64	63	58	53	62	69	67	60	49	50	47	41	51	55	57	63	56	....	55.4
	Minimum	46	42	42	25	42	41	50	28	25	26	24	32	34	24	24	29	24	20	28	29	35	19	29	32	13	17	20	20	19	36	....	29.2
Little Falls§§	Maximum	65	60	62	60	66	63	60	51	50	47	45	47	51	66	74	68	55	64	70	71	53	51	52	46	40	48	52	60	63	61	. ..	57.4
	Minimum	48	47	39	30	44	44	54	33	30	32	31	32	33	29	30	34	29	27	36	37	43	27	33	41	20	23	32	28	26	33	....	34.2
Long Branch*	Maximum	65	64	62	64	63	61	62	55	50	46	48	47	52	70	64	63	50	65	71	75	65	50	54	47	45	53	59	62	65	64	....	58.7
	Minimum	53	49	45	36	50	56	44	38	34	33	29	32	31	36	34	40	31	35	41	53	32	28	40	32	25	30	35	35	32	37	....	37.5
Long Valley§§	Maximum	65	64	62	64	67	62	62	53	60	50	43	46	50	64	63	61	53	63	67	71	50	56	50	42	43	52	58	60	61	62	....	57.5
	Minimum	47	45	37	26	26	40	49	30	24	26	25	27	30	25	25	28	25	23	25	31	38	21	28	37	16	19	28	22	22	26	....	29 0
Moorestown*	Maximum	68	59	59	62	70	66	65	52	55	49	47	44	51	68	69	62	55	61	67	74	59	60	56	53	44	56	60	63	60	65	..	59.3
	Minimum	56	49	41	32	44	48	46	35	33	34	29	35	29	32	30	44	27	31	38	41	38	32	37	29	22	26	34	35	31	38	....	35.9
Newark*	Maximum	66	59	61	59	65	60	63	54	50	46	46	46	50	66	61	61	51	62	67	72	60	49	52	46	44	51	58	60	59	62	....	56.9
	Minimum	50	50	44	36	48	52	44	36	35	33	31	34	36	34	39	42	33	33	41	44	37	29	42	34	28	29	32	37	36	36	....	37.8
New Brunswick	Maximum	65	68	62	60	69	59	64	55	51	46	47	46	52	69	69	61	55	60	68	73	69	50	50	48	44	52	59	63	59	62	....	58.5
	Minimum	50	47	45	31	43	49	52	35	32	30	27	32	32	33	32	37	31	30	38	47	40	28	37	38	22	26	32	30	28	40	....	35.8
Newton	Maximum	61	58	61	58	64	56	60	51	49	46	47	42	49	62	65	57	51	60	67	67	61	50	49	45	47	50	55	56	65	57	....	55.5
	Minimum	44	39	40	30	43	43	45	35	29	27	25	29	31	31	33	40	23	30	37	34	40	23	31	32	18	24	31	32	31	35	....	32.8
N. Merchantville*	Maximum	68	68	61	62	73	67	64	55	53	47	48	47	53	68	70	62	53	62	68	75	58	50	49	47	47	55	63	62	60	65	....	59.3
	Minimum	54	50	43	37	48	52	47	40	36	37	32	35	33	37	36	42	35	35	42	49	38	35	38	32	29	31	37	37	37	40	.. .	39.1
Paterson§§	Maximum	67	61	63	62	65	62	62	55	53	48	46	48	53	67	65	60	55	64	72	72	53	53	52	45	46	53	60	60	65	60	....	58.2
	Minimum	47	47	40	34	36	47	52	35	31	31	30	31	34	34	31	33	30	31	35	37	41	29	31	40	24	25	31	31	29	30	....	34.6
Pemberton	Maximum	67	68	62	65	72	65	66	58	54	47	50	45	54	71	72	64	54	65	70	75	64	51	49	49	47	54	62	63	64	66	....	60.4
	Minimum	54	49	40	30	46	47	52	36	33	35	28	30	27	30	32	36	30	29	35	50	42	24	35	35	20	26	32	29	29	41	....	35.4
Phillipsburg	Maximum	65	64	57	57	65	60	62	51	48	45	43	44	50	60	60	59	49	60	64	68	66	46	48	45	40	50	57	58	60	60	....	55.4
	Minimum	49	47	42	30	42	46	45	34	31	30	30	32	34	30	28	33	29	27	32	35	34	30	36	32	21	25	30	29	26	34	....	33.4
Plainfield	Maximum	65	65	62	60	70	59	62	55	51	47	46	47	52	67	67	63	52	63	67	73	66	49	50	46	44	52	58	62	59	61	....	58.0
	Minimum	50	49	40	32	45	50	49	35	32	33	30	35	35	31	36	39	31	32	36	40	45	28	37	34	23	26	34	31	31	42	....	36.4
Pleasantville§§	Maximum	68	63	63	62	67	65	63	64	62	48	50	47	56	69	67	66	51	65	69	69	50	54	58	49	47	55	64	65	67	67	....	60.3
	Minimum	55	48	30	28	36	51	52	30	27	25	25	27	22	23	27	38	26	22	32	49	45	21	28	39	19	18	27	30	27	38	....	32.2
Ridgefield*	Maximum	64	58	62	62	67	59	62	53	50	47	45	48	51	67	63	61	52	62	66	73	52	50	52	45	45	52	58	59	59	61	....	56.8
	Minimum	48	47	43	36	50	51	44	37	34	31	30	31	35	37	35	39	29	35	42	46	30	30	39	29	25	29	35	34	30	33	....	36.5
Runyon	Maximum	64	67	66	64	68	69	60	62	59	62	59	54	53	59	62	64	67	68	68	74	64	62	56	46	42	46	54	56	62	64	...	60.7
	Minimum	46	44	42	21	44	40	46	22	23	22	23	24	34	21	24	22	26	19	22	26	24	14	40	24	16	18	24	20	21	20	....	27.1
Sandy Hook‡	Maximum	64	61	59	56	62	59	58	55	49	46	47	46	50	62	61	58	48	58	63	69	51	48	52	46	44	51	54	58	56	56	....	54.9
	Minimum	50	51	49	44	51	54	48	44	43	38	35	37	38	41	47	42	35	41	46	50	39	37	42	35	33	36	41	43	42	38	....	42.3
Somerville(near)	Maximum	63	65	59	60	70	59	62	52	51	51	44	44	50	64	65	59	51	62	67	73	64	50	49	46	43	50	57	61	61	61	....	57.1
	Minimum	49	45	42	34	45	45	44	34	31	30	29	31	34	36	39	44	27	32	43	44	36	29	35	29	23	27	35	41	31	36	....	36.0
Sussex	Maximum	56	65	62	60	64	57	60	51	51	47	43	45	49	64	64	58	50	60	67	67	61	50	49	49	42	51	55	57	61	57	....	55.7
	Minimum	46	45	41	27	43	43	49	33	26	28	24	31	35	41	27	45	25	26	35	34	40	23	31	33	17	20	28	23	22	40	....	32.7
Trenton*	Maximum	68	67	59	60	68	66	64	53	51	46	46	44	53	68	68	60	52	60	66	73	57	49	50	46	43	53	59	62	58	63	....	57.7
	Minimum	52	50	46	38	49	53	47	42	36	36	31	34	34	36	40	42	33	35	41	48	36	33	38	33	27	30	36	39	36	37	....	38.9
Trenton No. 2*	Maximum	66	67	61	60	69	65	64	54	52	46	46	45	53	67	68	61	52	60	66	73	66	50	49	47	44	52	59	62	60	63	....	58.2
	Minimum	53	48	45	35	46	50	48	37	33	35	30	32	33	34	35	41	31	32	40	45	37	31	38	34	25	30	35	36	33	41	....	37.4
Tuckerton	Maximum	66	65	66	62	68	68	65	62	60	57	51	49	57	68	69	66	58	64	70	69	65	53	58	50	48	56	65	65	68	69	....	61.9
	Minimum	52	46	46	37	58	55	53	35	31	30	28	29	27	30	35	43	30	30	45	46	45	27	38	40	25	26	32	36	37	45	....	37.9
New York, N. Y.*	Maximum	66	66	60	58	65	61	62	57	51	43	46	48	51	65	62	60	51	60	64	70	65	52	52	46	47	52	57	60	58	60	....	57.3
	Minimum	49	50	45	44	52	56	48	44	42	36	36	34	38	40	50	40	32	39	46	54	39	34	42	34	31	37	38	47	42	37	....	41.9
Philadelphia, Pa.*	Maximum	68	68	59	61	69	67	63	55	53	46	46	45	53	66	68	61	53	61	68	73	57	51	49	48	44	55	61	63	60	64	....	58.5
	Minimum	55	51	46	44	52	55	48	45	41	36	34	37	37	41	44	43	37	40	46	53	38	36	40	36	32	34	39	44	42	40	....	42.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day on which it almost always occurs. * **Midnight to Midnight.** ‡ **1:30 a. m. to 1:30 a. m.** **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon**

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVI. DECEMBER, 1941. No. 12.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

December, 1941, was a mild winter month. There were unusually warm periods from the 2d to 6th, 16th to 19th, and 23d to 27th. Maximum temperatures in the sixties were recorded generally on the 5th and at many stations on the 24th. The mild weather was favorable for outdoor activities, fuel conservation, and Christmas shopping. The coldest weather was registered at most stations on the 21st, the monthly minima ranging from zero at Layton to 21° at Cape May. This was the fourth consecutive month with temperature well above normal. There was about the normal amount of sunshine and cloudiness.

The average precipitation this month, 3.70 inches, is the greatest monthly amount since August, and this is the first month with more than the normal amount since July. All months this year have had less than normal except June, July, and December. Rainfall was well-distributed through the month with heaviest amounts on the 13-14th. Monthly totals were also rather uniform over the State, being slightly heavier in the Red Sandstone Plain area. Snowfall of the month mostly occurred on the 13th, following a heavy rain at that time. The State average of 0.4 inch is the least for December since 1931 which is the only year on record with less December snowfall than this year. Top soil moisture was replenished by the rains of the last two months of the year and water shortages averted.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 37.2°, which was 3.4° above normal. The highest temperature was 70° at Newton on the 24th, and the lowest, 0°, at Layton on the 22d. The greatest daily range of temperature was 44° at Boonton on the 23d. The highest monthly mean temperature was 41.2° at Cape May, and the lowest, 32.0° at Layton.

The temperature departure from the normal for the year, 1941, to date, for the State is +1.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 3.70 inches, which was 0.15 inch above normal. The average total snowfall at 23 selected stations was 0.4 inch, which was 4.9 inches below normal. The greatest monthly precipitation was 4.98 inches at Charlotteburg, and the least, 2.24 inches at Cape May. The greatest amount of precipitation in any 24 consecutive hours was 3.23 inches at Sandy Hook on the 13th. The average for the Highlands was 3.71 inches, for the Red Sandstone Plain 3.94 inches, and for the Southern Interior 3.46 inches.

The precipitation accumulated departure from the normal for the year 1941, to date, by sections, is: The Highlands, −6.97 inches; Red Sandstone Plain, −6.70 inches; Southern Interior, −6.38 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 2, 3, 4, 5, 6, 13, 23, 24, 27.
SLEET: 1, 13, 28.
THUNDERSTORMS: 19, 20.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.10	30.59	12	29.42	24	15.6	47	se.	24	73	60	66	51
Long Branch	30.09	30.64	12	29.37	13	13.3	48	se.	24	72	57	66	43
Ridgefield	30.07	30.61	12	29.37	24	.	....	....	....	....	...	....	....
Sandy Hook	....	....	....	....	....	....	....	....	....	....	....	....	....
Trenton	30.09	30.62	12	29.36	24	8.9	31	s.	24	70	55	63	40

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	41.5	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	−3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	7.30	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	21.1	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	72	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	9	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	24.8	54	−21	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	72	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	13	6	12
1938	34.8	67	1	2.80	1.4	10	11	6	14
1939	35.2	69	−1	1.54	3.9	8	10	8	13
1940	37.0	67	−4	3.00	3.1	10	12	7	12
1941	37.2	70	0	3.70	0.4	7	12	8	11
Period	33.8	72	−21	3.55	5.3	9	12	8	11

Climatological Data for December, 1941

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr							Precipitation in inches				No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	68	41.0	+4.6	63	3	18	21	22	3.43	−0.51	2.12	T.	7	9	11	11	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§21	38.2	...	63	6†	15	31	35	3.49	...	2.68	0	6	7	13	11	nw.	U. S. Coast Guard.
Belleplain	Cape May	49	47	37.2^a	+1.6	59	5†	9	22	31	3.00	−1.00	1.10	0	6	13	8	10	nw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	...	4.07	...	2.06	T.	6	4	9	18	nw.	Fred Fine.
Belvidere	Warren	289	50	35.0	+3.9	57	5†	15	22	24	3.33	−0.58	1.38	1.0	8	16	4	11	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	...	4.10	...	2.80	...	3	21	2	8	...	Samuel H. McCulley.
Boonton	Morris	280	§51	34.0	+3.7	62	4	11	21†	44	4.10	+0.40	2.09	...	7	13	1	17	nw.	John Kline.
Bridgeton	Cumberland	30	58	40.0	+3.8	61	3†	17	21	29	3.68	−0.02	1.60	0	6	6	2	23	nw.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	...	3.50	...	1.42	...	5	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§55	39.2	+3.8	64	5	16	21	29	2.84	−1.11	1.55	T.	5	21	3	7	w.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	11	34.6	+2.9	64	4	7	22	39	4.37	+1.50	2.57	...	9	7	7	17	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	53	41.2	+3.2	62	3	21	21	27	2.24	−0.10	1.00	...	5	12	6	13	w.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	49	34.4	+3.4	64	4	6	21	35	4.98	+0.98	1.72	T.	9	10	10	11	nw.	Newark Water Dept.
Chatham	Morris	185	37	...	...	...	...	...	...	...	4.20	+0.03	2.13	T.	8	7	15	9	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	...	38.4^b	...	68	3	10	22	36	3.11	...	1.05	...	5	14	11	6	nw.	Alfred L. Stevenson.
Clayton	Gloucester	120	28	39.0	+4.4	63	5	14	21†	38	3.73	+0.01	1.42	0	5	12	2	17	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	40	...	...	...	...	...	...	...	3.27	−0.07	1.00	1.5	7	...	...	...	...	L. S. Depue.
Dayton	Middlesex	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Edward Visinski.
Dover	Morris	600	57	34.4	+4.0	64	4	9	21	30	4.86	+0.68	1.99	0.5	8	5	15	11	...	William C. Harris
Egg Harbor City	Atlantic	63	19	...	...	...	...	...	...	...	3.33	−0.46	1.49	0	6	20	1	10	...	Chas. E. Hall.
Elizabeth	Union	34	62	40.4	+6.6	67	4	14	22	33	4.18	+0.26	1.50	T.	9	15	3	13	w.	Union County Park Comm
Flemington	Hunterdon	140	§55	36.6	+3.6	61	3	13	21	25	3.17	−0.49	1.02	1.0	11	16	6	9	w.	Hiram E. Deats
Freehold	Monmouth	194	§37	37.3	...	61	4†	12	21	27	3.46	−0.12	1.92	0.5	7	18	5	8	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§35	40.1	...	65	5	13	22	31	3.63	−0.35	1.37	T.	8	14	8	9	nw.	J. G. Wilson.
Hightstown	Mercer	110	48	37.0	+3.6	63	5	13	21†	28	2.82	−0.72	1.21	0.6	7	9	14	8	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	52	38.1	+3.5	64	5	8	22	34	3.07	−1.04	1.22	T.	7	9	14	8	w.	Edward Entwistle.
Jersey City	Hudson	81	43	39.2	+4.2	61	5†	14	21	26	4.55	+0.90	1.84	0.5	7	9	14	8	nw.	Jersey Journal.
Lakewood	Ocean	54	37	38.4	+3.9	62	4†	14	21†	32	3.90	−0.29	1.65	0.5	7	8	8	15	nw.	R. W. Holman.
Lambertville	Hunterdon	75	54	37.0	+3.6	60	3†	15	21†	27	4.22	+0.52	1.46	T.	9	16	8	7	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	40	32.0	+3.6	65	5	0	22	33	2.87	−0.50	0.83	2.3	8	8	4	19	w.	A. M. Depue.
Little Falls	Passaic	157	38	36.1	+3.3	64	4	12	21†	34	4.74	+0.80	2.43	0.2	9	17	7	7	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	33	38.4	+3.7	63	24	13	21	27	3.90	−0.25	3.18	T.	6	8	11	12	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	11	33.4	...	63	4	8	21	39	4.20	...	2.30	T	7	16	8	7	w.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	...	3.54	...	2.47	0.5	8	15	7	9	w.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	...	3.66	...	1.96	...	6	15	3	13	...	Paul Ritchie.
Moorestown	Burlington	62	78	37.8	+3.8	63	5	16	21†	31	3.60	−0.17	2.34	T.	7	9	8	14	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	...	4.06	...	1.57	T.	7	14	8	9	...	James C. Long.
Newark	Essex	10	42	36.9	+3.2	60	24	12	21	27	3.92	−0.04	2.57	1.0	8	7	11	13	n.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	88	37.5	+4.0	61	5†	13	21†	27	3.42	−0.12	1.69	0.2	8	15	5	11	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	23	...	...	...	...	...	...	...	4.31	+1.35	2.12	T.	9	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	58	33.6	+3.2	70	24	4	21	39	3.28	−0.13	1.20	2.0	12	6	12	13	nw.	Irving J. Kern.
N. Merchantville	Camden	63	7	39.1	...	64	5	17	21	30	3.48	...	2.70	0.3	4	6	10	15	nw.	A. Reuleaux Heintze.
Orange	Essex	140	...	...	...	...	...	...	...	...	4.56	...	2.70	0	7	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	70	35.7	+2.2	66	4	10	21	42	4.01	+0.16	1.97	T.	8	16	8	7	nw.	J. W. Cook.
Pemberton	Burlington	55	11	39.4	+3.2	63	5	16	21†	30	3.07	+0.71	1.25	0.5	6	14	5	12	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§58	35.4	+3.6	58	5†	12	20	35	3.02	−0.41	1.48	1.0	8	13	8	10	...	Town Engineer.
Plainfield	Union	120	53	37.0	+3.9	60	24	12	21	23	3.58	−0.29	1.90	0.5	6	8	13	10	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	...	3.36	...	1.36	T.	6	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§43	37.6	+2.1	65	3	9	22	39	3.07	−0.86	1.57	...	9	18	4	9	nw.	N. J. Water Policy Comm.
Rahway	Union	20	1	...	...	...	...	...	...	...	3.39	...	2.24	T.	7	14	8	9	...	Louis Fontenelli.
Ridgefield	Bergen	80	24	36.0	+3.8	60	5†	12	21	28	4.78	+0.97	1.90	0.4	9	11	11	9	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	18	35.4	+3.0	61	24	3	22	43	3.15	+0.03	1.33	...	5	18	11	2	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	43	37.7	+2.5	58	5	15	21	23	4.02	−0.02	3.23	0.1	7	9	11	11	nw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	58	35.9	+3.1	60	5†	10	21	25	3.63	−0.08	1.55	T.	9	16	8	7	nw.	Richard H. Rogers.
Sussex	Sussex	450	46	33.5	+3.3	59	5	7	21	24	3.89	+0.92	1.50	1.3	11	15	4	12	w.	Marshall Hunt.
Toms River	Ocean	33	20	...	...	...	...	...	...	...	3.86	−0.50	2.25	0	5	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	69	37.9	+3.5	63	5	16	21	26	3.08	−0.27	2.30	0.4	7	7	12	12	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	11	37.8	...	63	5	15	21	27	3.63	...	2.69	T.	6	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	48	40.9	+4.7	65	3	14	21†	31	4.05	−0.28	2.01	0	7	14	3	14	nw.	John H. Brown.
Vineland	Cumberland	109	61	...	...	...	...	...	...	...	3.65	+0.03	1.90	T.	7	...	...	...	...	Edward H. Ladd.
Westfield	Union	145	1	...	...	...	...	...	...	...	3.88	...	2.60	0	7	19	2	10	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	23	...	...	...	...	...	...	...	4.10	+1.09	2.37	T.	9	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	7	...	...	...	...	...	...	...	3.88	...	1.85	...	4	20	2	9	w.	Geo. S. Keen
New York, N. Y	...	10	76	38.2	+3.2	60	5	13	21	25	4.12	+0.50	3.23	0.4	7	6	14	11	nw.	U. S. Weather Bureau.
Philadelphia, Pa	...	26	70	39.8	+3.5	63	5	18	21	24	3.67	+0.24	3.03	0.5	5	6	15	10	n.	U. S. Weather Bureau.
For the State	...	...	...	37.2	+3.4	70	24	0	22	44	3.70	+0.15	3.23	0.4	7	12	8	11	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-2-3-42-925

ERRATA

Precipitation departures at Barnegat City, February to November this year, should have been blanked. State average number of partly cloudy days for November should be 7.

Daily Precipitation for December, 1941

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.				.82			T.					2.12						.09	T.			.02	.36		.01	.01					3.43
Barnegat City[4]	Coast	.03				.47								2.68						.12				.04	.15		T.	T.					3.49
Belleplain	Tuckahoe					1.10								1.00	.28						.13			.04	.45								3.00
Belmar	Coast		.02			.37								1.34	2.06						T.			.01	.27		T.		T.				4.07
Belvidere	Delaware		.15		.02	.35				T.				1.38	.50									.20	.69		.04						3.33
Berlin	Mullica		T.			.90									2.80										.40								4.10
Boonton[3]	Passaic		T.	.12		.18	.28							T.	2.09						.02				.86	.55		T.					4.10
Bridgeton	Delaware					1.20								1.60	.53						.15			.05	.15								3.68
Brooklawn	....do					.56	.06							1.20	1.42					T.	T.		T.		.26								3.50
Burlington	Delaware	T.				.09								1.55	1.00									.07	.13								2.84
Canoe Brook[3]	Passaic			.14		.39	.19							.09	2.57						.02				.82	.13		.02					4.37
Cape May[2]	Coast	.06	T.			.76								1.00										.01	.41		T.	T.					2.24
Charlotteburg	Passaic		.03	.13		.33	T.							.82	1.70						.16			.06	1.72		.03	T.					4.98
Chatham[3]	...do		.03	.13	T.	.33	.15						T.	.07	2.13										.84	.52		T.					4.20
Chatsworth	Delaware					.93								1.05	.64						.07				.42								3.11
Clayton	Delaware					.73								1.05	1.42						.17				.36								3.73
Culvers Lake	...do		.16	.09		.08								1.00	.93									.17	.84		T.	T.		T.			3.27
Dayton	Raritan																																......
Dover	Passaic		.16			.27				T.				1.99	.80					.01				.54	1.05		.04						4.86
Egg Harbor City[2]	Mullica	.04				1.04							1.49	.02					.21	T.				.53								T.	3.33
Elizabeth	Coast		.08	.09		.66	.02							*1.00*	*1.50*									.20		.62	.01	T.					4.18
Flemington	Raritan		.05	.09	.02	.38	.01							.78	1.02						.01			.03	.72		.06						3.17
Freehold	...do		T.	.02	.02	.33								1.92	.85									.04	.28		T.						3.46
Hammonton	Mullica		.02	T.		.99	.09						T.	1.37	.45						.19			.04	.48					T.			3.63
Hightstown	Raritan		.02	.04		.40								.90	1.21						T.			.04	.21		T.						2.82
Indian Mills	Mullica		.03			.77	T.							1.22	.72						.05			.03	.25		T.	T.		T.			3.07
Jersey City	Coast		.13	T.	T.	.43	T.			T.				1.64	1.84						T.			*	.49		T.	.02					4.55
Lakewood	Metedeconk		.05			.35								1.50	1.65						.02			.08	.25			T.					3.90
Lambertville	Delaware		.09	.05		.51								1.41	1.46						.01			.08	.53		.08	T.	T.				4.22
Layton(near)	....do		.26	.06		.16				T.				.83	.70						T.			.08	.72		.06	T.		T.			2.87
Little Falls[3]	Passaic		.02	.13		.47	.13				T.			.09	2.43						.01				1.45			.01					4.74
Long Branch[2]‡	Coast		.02			.35							T.	3.18	.06					T.				.04	.25		T.	T.					3.90
Long Valley[3]	Raritan			.13		.30	.18			T.					2.30										.71	.53		.05					4.20
Marlton	Delaware			.01		.62	.16							.08	2 47						.02				.10	.08							3.54
Millville[2]‡	Maurice					1.17								1.96						.10				.04	.38		.01						3.66
Moorestown[3]	Delaware			.02		.65	.05							.26	2.34						T	.02			.26	T.		T.		T.			3.60
Morris Plains	Passaic		T.	.13	T.	.30		T.		T.				.76	1.57						T.			.01	1.26		.03			T.			4.06
Newark[1]	Coast	.07	.15			.27								2.57	.09					T.	T.			.28	.46		.03						3.92
New Brunswick	Raritan		T.	.12	T.	.38	.02							.78	1.69									.02	.39		.02						3.42
New Milford[2]‡	Hackensack	.05	.17			.34								2.12	.49					.03	.03			.47	.61								4.31
Newton	Delaware		.18	.03	.01	.13	.03			.03				1.20	.80						.20			.12	.50		.05			T.			3.28
N. Merchantville[2]‡	Delaware	T.	T.	T.		.60							T.	2.70	T.					T.	T.			.09	.09		T.	T.	T.	T.			3.48
Orange[2]‡	Passaic	.01	.11			.59								2.70	.15									*	1.00								4.56
Paterson[3]	Passaic	.03	.11	T.	T.	.46								1.97	.06					.03	T.			.62	.73		T.		T.				4.01
Pemberton	Delaware		.03	T		.63								1.25	.86						T.			.02	.28		T.						3.07
Phillipsburg	....do	T.	.13	T.		.43	.04							1.48	.23					T	T.			.19	.43		.09			T.			3.02
Plainfield	Raritan		.17			.35				T.				1.90	.41						T.			.15	.60				T.				3.58
Plainsboro	Delaware		.08			.41								1.36	1.34									.10	.07		T.						3.36
Pleasantville[3]	Coast		.01	T.		.73	.13							.02	1.57						.05				.52	.03		.01					3.07
Rahway[3]‡	Rahway			.10		.25	.17							.02	2.24										.55	.06							3.39
Ridgefield[2]	Hackensack	T	.02	.14		.40	.10			T.				1.90	1.40					T.	.01			.35	.46		T.		T.				4.78
Runyon	Coast	.09			.41								.85	1.33											.47								3.15
Sandy Hook[2]‡	Coast	.04	.02			.26				T.				3.23	.10					T.	T.			.07	.30		T.						4.02
Somerville(near)	Raritan		.06	.07		.24	.05							.80	1.55									.12	.67		.07						3.63
Sussex	Hudson		.23	.11	.02	.06	.01			T.				.76	1 50						.20			.20	.70		.10	T	T.	T.			3.89
Toms River	Coast					.02								.01	T.						.38	T		2.25	1.20								3.86
Trenton[1]‡	Delaware	.01	.04			.56							T.	2.30	.01					T.	T.			.04	.12		T.	T.					3.08
Trenton No. 2[2]	Delaware	T.	.07			53								2.69						T.	T.			.06	.26		.02						3.63
Tuckerton	Coast					.56	.02							.62	2.01						.22			.04	.58								4.05
Vineland[3]	Maurice		.01			1.06	.06							.12	1.90						.17				.33		T.						3.65
Westfield[3]‡	Rahway			.14		.28	.10								2.60										.50	.23		.03					3.88
Woodcliff Lake[2]‡	Hackensack	.02	.10			.39								2.37	.06					.02	.04			.37	.73								4.10
Woodstown	Delaware					1.10								1.85	.73										.20								3.88
New York, N. Y[1]‡	Coast	.02	.12		T.	.40				T.				3.15	.08					T.	T.			.20	.15		T		T.				4.12
Phila., Pa[1]‡	Delaware	T.	T.			.50							T.	3.03						T.	T.			.05	.08		.01	T.	T.	T.			3.67

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation																																
	Wind movement																																
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for December, 1941

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	51	58	63	55	59	57	40	51	45	50	37	37	54	46	38	50	50	49	58	46	32	43	51	61	53	46	53	40	38	35	39	47.9
	Minimum	35	50	48	47	53	40	29	29	33	33	25	27	37	31	29	36	34	33	40	24	18	21	42	49	38	36	37	34	25	21	27	34.2
Barnegat City‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Belleplain	Maximum	58	55	56	55	59	59	47	45	45	44	44	32	52	52	36	45	45	48	49	49	39	32	53	55	....	55	47	45	38	36	35	46.9[a]
	Minimum	30	40	44	33	48	44	26	18	31	21	19	17	28	33	24	15	24	17	29	35	13	9	22	50	....	32	39	26	26	13	15	27.4[a]
Belvidere	Maximum	41	45	55	48	57	57	42	40	42	41	37	29	37	40	38	45	36	45	46	39	40	37	41	49	49	35	45	41	36	33	35	42.1
	Minimum	30	35	39	39	42	41	26	23	25	26	22	18	21	32	28	23	27	21	28	25	21	15	23	39	33	32	34	33	28	16	18	27.8
Boonton§§	Maximum	39	50	56	62	56	52	33	39	42	41	32	28	43	42	37	47	47	45	49	41	27	38	56	58	48	37	46	34	34	33	34	42.8
	Minimum	23	23	38	34	36	43	25	22	23	27	23	18	19	26	30	23	23	19	20	30	11	11	12	25	46	30	31	32	30	13	14	25.2
Bridgeton	Maximum	57	58	61	57	63	59	45	50	44	48	46	37	51	51	38	51	48	50	55	45	37	39	57	61	57	50	52	40	39	35	41	49.0
	Minimum	35	39	42	38	54	44	27	26	31	26	25	24	28	34	27	23	25	30	30	35	17	18	28	45	39	33	38	29	31	18	21	31.0
Burlington	Maximum	50	52	57	58	64	61	46	47	47	45	42	34	49	37	42	50	49	49	56	47	33	34	50	60	52	53	42	41	32	42	48	47.4
	Minimum	31	39	45	38	49	45	28	35	32	30	30	24	24	30	32	25	27	21	29	32	16	30	24	49	42	34	32	26	29	18	19	31.1
Canoe Brook§§	Maximum	41	52	58	64	58	55	35	42	45	44	34	30	47	40	39	48	49	46	52	43	29	37	56	62	49	39	52	35	37	34	39	44.9
	Minimum	18	30	38	33	39	43	25	17	22	25	21	12	19	28	26	22	23	16	22	26	10	7	17	26	43	26	32	30	28	14	12	24.2
Cape May.*	Maximum	53	58	62	55	60	57	39	53	44	51	38	40	53	54	39	50	46	49	57	50	31	42	52	58	49	47	48	40	37	35	40	48.0
	Minimum	38	47	44	48	53	38	30	32	37	33	28	26	38	34	31	34	37	35	30	26	21	22	40	36	36	36	38	37	26	20	32	34.3
Charlotteburg	Maximum	50	50	55	64	58	55	46	40	41	40	35	26	36	40	36	47	46	44	48	44	33	38	48	57	54	36	46	16	33	31	32	43.7
	Minimum	30	34	41	29	33	44	21	18	29	26	17	16	20	32	27	23	25	13	34	28	6	8	15	45	34	28	32	28	26	10	7	25.1
Chatsworth	Maximum	59	59	68	61	63	61	45	50	44	48	40	32	50	53	37	52	47	52	54	44	34	37	55	60	55	49	51	45	35	33	39	48.8
	Minimum	....	40	43	44	50	40	27	30	31	23	20	15	26	35	27	17	22	16	22	32	20	10	21	53	....	32	38	25	28	13	12	28.0[b]
Clayton	Maximum	60	56	59	60	63	61	50	49	44	48	44	35	50	50	38	51	48	51	60	55	42	40	51	61	57	47	51	45	39	35	40	49.7
	Minimum	29	37	41	33	51	44	24	23	32	23	21	20	23	35	25	21	26	21	22	28	14	15	25	18	38	32	37	30	28	14	18	28.3
Dover	Maximum	49	50	54	64	55	55	43	39	45	40	31	27	41	41	35	47	46	43	48	40	30	37	48	58	48	35	45	37	33	32	35	42.9
	Minimum	23	33	36	34	45	34	22	22	32	25	16	16	22	29	28	25	25	19	33	15	9	12	25	47	32	31	34	30	18	14	14	25.8
Elizabeth	Maximum	63	58	64	67	63	65	52	45	51	48	45	35	49	51	43	49	43	48	55	46	31	42	44	62	53	41	49	44	40	40	36	49.1
	Minimum	30	36	42	40	44	46	27	21	30	29	32	31	32	36	32	24	36	32	40	30	19	14	28	42	39	36	36	34	18	22	26	31.7
Flemington	Maximum	50	51	61	53	58	59	41	43	40	40	37	29	38	44	37	50	43	43	53	46	30	38	39	60	55	44	47	42	36	31	37	44.4
	Minimum	25	35	44	36	42	41	27	24	30	25	23	18	23	35	29	25	29	22	32	30	13	16	23	39	43	32	37	33	29	16	18	28.8
Freehold	Maximum	46	51	55	61	61	60	43	47	43	45	39	31	50	50	35	50	48	50	53	46	29	37	49	61	53	42	47	39	36	33	37	46.0
	Minimum	27	37	44	34	49	42	25	23	29	26	21	18	25	35	27	24	31	25	32	29	12	14	27	40	35	30	36	29	27	15	20	28.6
Hammonton	Maximum	61	61	62	64	65	62	46	51	45	49	48	35	52	52	38	53	49	51	57	49	35	40	52	61	55	45	52	43	37	35	41	49.9
	Minimum	40	41	44	38	50	46	27	21	32	25	22	20	26	38	27	22	29	21	31	35	15	13	26	50	38	33	40	30	27	15	18	30.3
Hightstown	Maximum	48	51	57	57	63	61	44	44	43	45	39	31	47	48	36	48	49	49	53	46	31	36	50	60	52	42	48	41	36	33	36	45 9
	Minimum	23	35	42	35	46	42	26	23	31	27	22	19	23	34	27	24	30	21	29	28	13	13	23	47	39	30	36	28	28	14	16	28.2
Indian Mills(near)	Maximum	52	54	58	61	64	60	44	50	45	48	41	34	51	51	37	52	48	51	56	46	31	40	51	61	52	43	50	41	35	34	40	47 8
	Minimum	28	39	45	34	52	44	28	20	33	22	20	15	26	35	28	19	29	17	27	31	14	8	24	51	39	31	39	30	28	13	12	28.4
Jersey City	Maximum	37	54	59	58	61	60	42	43	45	45	40	30	48	47	39	50	49	47	53	50	31	33	48	61	59	45	48	40	38	36	34	46 1
	Minimum	31	36	46	40	46	41	26	26	37	30	24	21	25	35	31	31	39	33	42	24	14	21	32	47	44	34	36	32	31	18	28	32.3
Lakewood	Maximum	48	58	55	62	62	59	43	49	44	47	40	32	51	52	37	53	49	52	54	46	31	39	50	61	53	44	51	41	37	32	38	47.4
	Minimum	27	41	46	35	50	43	27	24	30	27	21	18	27	36	29	22	29	20	30	30	14	14	23	49	42	31	40	28	27	15	19	29.5
Lambertville	Maximum	47	51	60	55	63	60	45	43	45	45	38	30	42	47	37	50	49	47	55	42	31	37	42	60	51	40	45	42	35	37	35	45.4
	Minimum	24	37	42	38	45	42	27	25	28	28	23	17	23	36	29	25	27	20	28	31	15	15	22	41	34	33	37	34	27	17	17	28.6
Layton(near)	Maximum	38	43	55	60	65	54	38	39	41	40	32	26	33	39	35	46	43	41	47	39	25	33	35	58	50	35	46	40	32	33	35	41.2
	Minimum	18	32	37	35	39	38	23	17	29	22	12	10	21	30	29	20	24	14	23	21	6	0	15	32	34	27	31	30	19	11	10	22.9
Little Falls§§	Maximum	42	51	59	64	58	54	35	42	43	44	34	30	45	41	38	49	49	47	51	42	30	38	55	60	49	41	48	36	37	35	40	44.7
	Minimum	25	32	41	36	41	48	25	22	26	29	22	18	19	30	29	26	27	21	27	31	12	12	21	30	45	31	35	30	29	15	17	27.5
Long Branch*	Maximum	48	54	56	54	60	56	37	48	46	45	34	30	51	47	37	54	50	52	54	47	29	40	54	63	53	43	50	39	37	34	40	46.5
	Minimum	33	47	38	36	51	37	26	24	32	28	23	24	30	30	28	27	30	25	35	23	13	15	28	50	34	33	38	32	24	21	24	30.3
Long Valley§§	Maximum	40	50	57	63	58	61	37	40	39	40	33	30	47	38	36	40	45	48	46	40	30	36	52	60	52	38	41	35	38	35	36	43.3
	Minimum	21	24	36	33	36	41	24	20	22	23	19	13	17	28	26	22	19	17	19	28	8	9	13	25	43	29	30	30	26	14	12	23.5
Moorestown*	Maximum	45	50	58	61	63	57	38	48	50	49	34	33	49	43	35	49	47	50	54	47	29	37	54	62	50	49	48	36	35	39	39	46.4
	Minimum	29	29	40	36	41	34	28	36	26	28	24	21	30	35	29	24	32	23	34	20	16	16	23	48	38	34	36	33	26	17	20	29.2
Newark*	Maximum	41	54	58	60	60	56	35	41	44	43	33	28	44	44	38	49	49	48	51	43	30	37	52	60	50	39	47	39	36	33	36	44.5
	Minimum	30	36	42	40	48	34	24	23	32	28	25	20	26	30	28	28	31	27	34	19	12	17	25	47	34	33	38	33	22	19	23	29.3
New Brunswick	Maximum	50	53	58	60	61	57	46	43	44	46	37	30	48	47	37	49	49	48	52	45	31	36	45	61	53	42	48	41	36	34	35	45 9
	Minimum	27	36	43	37	50	44	26	22	30	26	22	20	23	35	28	25	29	21	34	29	13	13	24	42	42	32	36	32	28	15	18	29.1
Newton	Maximum	38	45	56	60	57	65	37	40	38	39	30	24	33	40	39	40	45	42	48	38	26	35	42	70	69	42	56	49	32	30	35	43.2
	Minimum	22	31	37	36	47	35	20	17	28	24	16	13	16	29	25	23	31	20	31	20	4	10	20	40	30	20	29	27	19	12	13	24.0
N. Merchantville*	Maximum	45	51	58	58	64	55	38	49	45	48	35	33	49	42	37	51	49	51	56	45	31	38	58	62	52	43	50	41	37	34	41	46.6
	Minimum	31	40	44	39	54	38	28	30	34	31	26	24	25	31	30	28	31	28	34	24	17	21	28	49	37	36	39	35	24	19	25	31 6
Paterson§§	Maximum	42	52	60	66	58	54	35	44	44	44	34	29	43	41	39	50	48	47	53	42	29	39	57	62	49	40	48	36	39	36	36	45.0
	Minimum	27	29	38	35	37	47	25	21	24	28	21	18	19	27	28	27	28	23	24	32	10	11	15	26	45	31	31	30	29	15	16	26.4
Pemberton	Maximum	54	52	59	61	63	62	48	50	50	47	40	35	51	51	37	52	50	52	55	45	33	38	53	62	53	46	51	44	36	36	37	48.5
	Minimum	30	40	45	35	51	45	28	24	32	27	23	20	25	36	29	22	28	21	28	31	16	16	26	49	46	34	36	30	29	17	18	30.2
Phillipsburg	Maximum	39	47	57	52	58	54	38	40	44	43	33	28	45	45	37	47	47	45	47	47	30	35	50	58	50	40	45	41	35	32	37	43.4
	Minimum	25	36	39	39	49	37	24	24	31	28	20	19	22	29	30	23	27	21	29	12	14	16	23	48	33	33	35	30	20	16	20	27.5
Plainfield	Maximum	42	53	58	58	59	53	40	43	44	44	34	30	45	45	38	49	50	45	52	43	30	35	42	60	51	40	47	39	36	34	38	44.4
	Minimum	29	37	45	39	47	40	27	25	33	29	24	21	26	35	29	26	29	23	35	25	12	14	25	42	37	34	34	34	26	17	21	29.7
Pleasantville§§	Maximum	51	60	65	62	61	54	37	53	48	52	37	43	54	46	37	53	49	50	58	45	30	39	56	63	54	45	53	39	39	37	41	48.7
	Minimum	30	32	45	34	46	49	28	23	25	22	21	16	25	39	23	15	22	15	26	32	15	9	17	31	36	30	36	26	26	14	11	26.4
Ridgefield*	Maximum	40	52	58	59	60	56	35	41	44	44	32	26	45	42	38	49	48	46	52	44	28	34	54	60	49	39	47	36	36	34	36	44.0
	Minimum	29	34	43	36	49	35	23	22	32	27	21	19	25	30	28	30	29	24	34	17	12	14	26	46	30	21	36	29	21	16	20	28.0
Runyon	Maximum	54	54	55	56	59	52	54	42	44	45	40	34	40	42	36	44	44	46	52	46	40	46	52	61	59	40	47	38	44	34	38	46.4
	Minimum	18	36	28	36	42	42	25	18	26	22	20	9	24	34	18	16	18	11	21	29	11	3	17	52	34	27	32	30	27	14	16	24.4
Sandy Hook‡	Maximum	46	51	52	50	58	52	35	41	44	44	33	31	49	44	36	48	46	49	49	43	28	34	51	55	49	42	46	39	36	32	35	43.5
	Minimum	34	40	42	40	48	35	27	28	34	28	26	25	27	32	31	31	34	33	39	20	15	22	31	47	36	35	39	34	25	21	29	31.9
Somerville(near)	Maximum	39	52	57	59	60	56	44	40	40	42	37	30	39	42	36	49	48	47	49	40	30	33	38	60	52	37	45	38	37	37	36	43.5
	Minimum	24	34	43	39	45	43	26	24	32	25	20	17	22	33	35	25	32	24	35	29	10	13	24	38	30	30	35	32	27	12	18	28.3
Sussex	Maximum	43	44	55	58	59	58	45	40	41	41	34	26	33	39	36	46	44	42	49	40	27	32	36	58	50	37	45	41	33	32	35	41.9
	Minimum	22	33	41	35	38	45	23	18	29	25	17	13	19	31	28	23	29	18	29	23	7	10	19	34	35	27	30	29	25	12	12	25.1
Trenton*	Maximum	43	53	56	56	63	55	35	46	43	45	33	31	48	43	35	48	49	49	55	44	30	35	56	60	50	43	48	40	35	32	35	45 0
	Minimum	30	39	43	40	51	35	28	28	31	29	25	23	25	30	30	29	34	29	36	20	16	20	30	49	36	35	38	32	22	18	25	30 8
Trenton No. 2*	Maximum	47	52	56	55	63	55	36	45	45	46	34	34	47	47	36	49	49	48	55	46	31	36	54	61	52	42	48	39	36	34	35	45.6
	Minimum	28	38	42	39	49	36	26	27	30	29	24	22	25	32	29	29	32	25	35	26	15	18	27	48	35	34	38	33	21	17	21	30.0
Tuckerton	Maximum	60	60	65	62	60	59	50	50	49	50	48	34	50	53	48	55	53	50	58	52	38	36	40	63	60	50	57	48	40	38	40	50.8
	Minimum	35	45	46	42	50	48	24	24	31	28	21	21	30	33	35	24	30	22	33	35	14	14	25	43	39	35	43	30	27	15	18	31.0
New York, N. Y.*	Maximum	42	54	58	60	60	55	34	44	43	42	34	32	47	45	38	48	49	49	52	43	30	38	54	58	49	44	47	38	37	33	39	45.0
	Minimum	34	42	45	42	50	34	26	25	34	27	23	21	30	30	29	31	37	33	39	18	13	19	35	48	35	34	38	32	23	18	26	31.3
Philadelphia, Pa.*	Maximum	45	53	61	56	63	55	38	46	43	47	36	33	49	42	39	49	50	49	56	44	33	38	58	61	52	43	49	40	38	34	39	46.4
	Minimum	35	41	46	43	53	38	28	32	32	31	26	26	26	30	30	32	38	33	40	23	18	24	34	48	37	37	39	35	25	21	27	33.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION,
A. E. WHITE
TRENTON, N. J.

VOL. XLVI. ANNUAL SUMMARY, 1941. No. 13.

GENERAL SUMMARY.

The year, 1941, in New Jersey was comparatively warm and dry. The average temperature of 53.0° is exactly the same as for 1937 and 1939, and 3° more than for 1940. The average annual precipitation of 37.23 inches is 81 percent of normal and the least of record excepting the dry years of 1930 and 1931.

January and February temperatures averaged slightly below normal. The monthly minima for both months were only a few degrees below zero. There were no extended severe cold or unusually warm periods in either month. March was unseasonably cold with an average departure from normal temperature of −4.7°. The lowest reached at any station, however, was 3° above zero. It was one of three Marches of record during which temperature did not exceed 63° somewhere in the State.

The cold March was followed by the warmest April of record in New Jersey excepting April, 1921. It was almost continuously warmer than normal. The week ending April 20th was the warmest April week in Trenton since 1896 and record temperatures were equalled or exceeded on that date with readings in the 90ies. Trees foliated and vegetation developed with great rapidity. Peaches were in bloom about two weeks earlier than usual. May was also a warm month. Monthly maxima on the 22d were 95° or higher at most stations and readings were almost as high on the 27th. There were several cool periods, however, and severe frosts occurred in the cranberry bogs on twelve different dates from the 1st to 25th, but due to warnings and protective measures the crop suffered little damage. Bog temperatures as low as 22° were reported.

The first half of June was cool, but the latter half averaged much above normal with temperatures reaching 90° or higher on seven days Maxima of 95° or higher were registered on the 22d. July began hot with readings of 100° or higher at several southern stations on the 2d. After this they were moderate or near normal until the last week which was hot. There were some humid days, but the month as a whole was not so oppressive as some Julys. August was slightly cooler than normal. There was no extended heat wave and there were some cool periods.

The first decade of September was hot with high temperatures again on the 16th, 17th, and 23d. The latter part was cool with freezing temperature and killing frost at several stations on the 30th. October was the warmest since 1920 and was one of the three warmest Octobers of record. Previous records of high temperature for October were broken on the 5th when 94° was registered at Trenton, 95° and 96° at some stations, and 97° at Flemington and Tuckerton. There was freezing weather and killing frosts the last week, however, at most stations, with a low of 17° at Runyon making a State monthly range of 80°. November and December were both mild months. There was no snow in November and only a small amount in December.

The first five months of the year were all deficient in precipitation Snowfall during the first three months was much greater than usual, however. A heavy snowstorm occurred on January 27-28th which totaled 6 to 8 inches over the northern two-thirds of the State. On February 28th, a heavy fall occurred, amounting to a foot or more over most of the State. It was extremely heavy for about 25 miles inland from below Atlantic City northward. Another heavy snow fell March 7-8th, ranging from 4 inches in the south to more than a foot in the northern part of the State. February-March snowfall this year was the greatest since 1934 and was very beneficial to winter grains and grasses.

The dry weather of April with no rain from the 6th to 23d accompanying the unusual heat wave of the month, above mentioned, produced an extreme fire hazard. Many thousands of acres were burned over, mainly in Burlington, Ocean and Atlantic counties, and about 100 homes destroyed in the area by the fires. May was the fourth successive month with a decided deficiency in precipitation, having only 51 percent of normal. The spring season, March-May, was one of the three driest of record in New Jersey since 1885. By the end of May drought conditions prevailed; pastures and meadows were shortened and winter grains damaged considerably.

June was the first month since November, 1941, with above-normal precipitation. The drought was relieved by good rains on the 1st and these were followed by heavy rains on the 4-5th.

(Continued on Page 51)

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	**63.33**	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	**49.2**	100	**−34**	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24 3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	**35.28**	15.6	99	172	89	104
1931	**54.4**	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.3	**110**	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
1938	53.3	100	−19	52.52	23.1	133	151	88	126
1939	53.0	99	−10	42.95	18.4	113	152	92	121
1940	50.1	104	−13	48.43	28.1	121	144	92	130
1941	53.0	105	−7	37.23	32.6	93	192	82	91
Period	52.0	110	−34	45.72	28.4	116	155	100	110

Climatological Data for the Year 1941

Station	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic City	Atlantic	8	68	54.7	96	July 28	17	Jan. 30†	68	32.06	4.31	Jan.	0.01	Sept.	20.2	87	146	111	108	s.
Barnegat City	Ocean	36	2	52.0	98	Sept. 1	7	do. 14	2	28.29	3.71	do.	0.05	do.	10.2	78	126	134	105	sw.
Belleplain	Cape May	49	47	53.1	96	July 2	6	do. 14	47	35.14	5.22	June	T.	do.	21.5	79	215	86	64	sw.
Belmar	Monmouth	19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Belvidere	Warren	289	50	52.4	98	June 22	7	Feb. 5	50	35.78	5.17	Aug.	0.54	Sept.	37.3	84	226	51	88	...
Berlin	Camden	70	...	...	...	...	...	...	...	...	...	...	0.21	do.	...	...	...	...	...	...
Boonton	Morris	280	33	50.4	95	July 1	1	Jan 30	51	35.27	5.17	July	1.42	do.	...	90	208	26	135	ne.
Bridgeton	Cumberland	30	53	55.7	100	do. 2	14	do. 30	58	36.24	7.13	June	0.00	do.	19.4	83	250	35	80	nw.
Brooklawn	Camden	30	...	...	...	...	...	...	...	...	...	...	0.23	do.	...	...	...	...	...	...
Burlington	Burlington	12	29	55.1	100	July 2	14	Jan. 14†	55	36.76	9.55	July	0.40	do.	22.2	89	242	50	73	nw.
Canoe Brook	Essex	180	11	50.4	95	do. 1	−2	do. 30	11	40.94	6.78	do.	0.27	do.	...	100	199	61	105	nw.
Cape May	Cape May	17	53	...	...	...	...	...	53	...	...	...	0.14	do.	...	...	...	...	...	...
Charlotteburg	Passaic	760	49	50.3	99	July 28	−5	Feb. 6	49	40.22	7.27	July	0.54	do.	43.6	90	170	99	96	w.
Chatham	Morris	185	...	...	...	...	...	...	37	38.84	7.02	do.	0.38	do.	...	97	183	119	63	
Chatsworth	Burlington	90	1	...	105	July 2	6	Jan. 14	1	37.13	8.37	do.	0.00	do.	...	73	197	114	54	sw.
Clayton	Gloucester	120	28	...	99	do. 2	9	do. 30	28	35.23	6.17	do.	0.59	do.	21.6	69	166	33	166	w.
Culvers Lake	Sussex	760	...	...	...	...	...	...	40	29.15	4.33	July	0.23	Sept.	30.4	77	...	...	...	...
Dayton	Middlesex	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dover	Morris	600	57	...	95	May 22	1	Jan. 5	57	39.29	5.37	June	0.74	Sept.	41.5	90	96	162	107	...
Egg Harbor City	Atlantic	63	...	...	...	...	...	...	19	35.99	5.41	do.	0.37	do.	20.0	91	273	35	57	...
Elizabeth	Union	34	57	...	99	July 1	5	Jan. 30	62	38.57	5.75	July	0.07	do.	38.5	94	243	35	97	ne.
Flemington	Hunterdon	140	44	54.0	98	do. 2	6	do. 30	55	37.97	6.64	do.	0.26	do.	31.9	113	242	48	75	w.
Freehold	Monmouth	194	10	53.0	96	May 27†	7	do. 30	37	40.65	7.61	do.	0.04	do.	33.4	96	251	58	56	w.
Hammonton	Atlantic	95	9	55.2	103	July 2	11	do. 14†	35	37.09	5.66	June	0.08	do.	27.7	97	225	73	67	sw.
Hightstown	Mercer	110	45	52.6	97	do. 2	8	do. 30	47	37.19	8.50	July	0.02	do.	31.4	106	187	100	78	nw.
Indian Mills	Burlington	100	52	53.6	100	do. 2	7	do. 30	51	37.41	8.12	do.	0.04	do.	28.3	105	161	139	65	w.
Jersey City	Hudson	81	43	55.6	98	do. 2	10	do. 14†	43	36.05	5.34	Aug.	0.14	do.	30.5	93	159	112	94	nw.
Lakewood	Ocean	54	37	53.6	96	May 22†	8	do. 30	37	38.07	6.18	July	T.	do.	32.5	93	133	123	109	nw.
Lambertsville	Hunterdon	75	54	...	96	July 2	...	...	54	...	8.39	do.	0.30	do.	...	...	...	...	...	...
Layton [near]	Sussex	480	40	49.0	95	May 22†	−7	Jan. 30	40	32.03	8.15	do.	0.28	do.	39.3	90	152	65	148	w.
Little Falls	Passaic	157	27	54.2	96	July 2	5	do. 30	38	42.77	7.28	do.	0.82	do.	33.7	111	201	71	93	nw.
Long Branch	Monmouth	34	33	53.2	98	do. 2	11	do. 30	33	37.53	5.82	do.	0.03	do.	29.1	95	143	115	107	nw.
Long Valley	Morris	660	11	49.7	95	July 2	5	Jan. 29†	11	36.65	5.31	June	0.39	Sept.	43.0	88	239	60	66	sw.
Marlton	Burlington	90	...	...	...	...	...	...	...	...	...	...	0.25	do.	...	...	...	...	...	...
Millville	Cumberland	60	...	...	...	...	...	...	1	...	6.13	June	0.01	do.	...	...	...	...	...	...
Moorestown	Burlington	62	78	53.6	98	July 2	8	Jan. 30	78	36.54	8.99	July	0.49	do.	27.4	102	166	94	105	n.
Morris Plains	Morris	500	...	...	...	...	...	...	...	...	...	...	0.41	do.	...	...	...	...	...	...
Newark	Essex	10	42	53.6	97	July 1†	10	Jan. 30	42	36.30	6.20	Aug.	0.14	do.	33.3	95	99	114	152	sw.
New Brunswick	Middlesex	86	84	53.4	96	July 2	8	do. 30	88	36.14	7.10	July	0.04	do.	32.6	104	175	83	107	nw.
New Milford	Bergen	12	...	...	...	...	...	...	23	37.46	5.66	Aug.	0.30	do.	...	94	...	...	...	...
Newton	Sussex	769	58	50.3	97	Aug. 31	−1	Jan. 30	55	32.40	5.53	July	0.67	do.	42.0	109	153	94	118	sw.
N. Merchantville	Camden	63	7	55.4	98	July 2	13	do. 30	7	37.89	8.74	do.	0.63	do.	33.1	92	175	94	96	sw.
Orange	Essex	140	...	...	...	...	...	...	1	...	6.18	Aug.	0.58	do	...	...	...	...	...	...
Paterson	Passaic	95	71	52.9	97	July 2	6	Jan. 30	70	36.08	6.75	June	1 00	do.	30.9	94	229	55	81	nw.
Pemberton	Burlington	55	12	55.0	98	May 22	9	do. 30	12	37.90	8.24	July	0.21	do.	33.3	104	211	62	92	sw.
Phillipsburg	Warren	182	50	50.9	94	June 27	9	do. 30	58	38.64	7.12	do.	0.32	do.	39.3	105	184	99	82	...
Plainfield	Union	120	50	53.7	97	July 2	11	do. 30	53	39.91	7.31	do.	0.14	do.	37.3	102	141	133	91	nw.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	...	8.31	do.	T.	do.	...	...	...	...	...	...
Pleasantville	Atlantic	8	18	53.0	100	July 28	8	Jan. 8	43	33.84	5.39	June	0.04	Sept.	...	90	252	46	67	s.
Rahway	Union	20	...	...	...	...	...	...	2	36.91	7.96	July	T.	do.	40.5	73	220	72	73	...
Ridgefield	Bergen	80	24	52.7	95	July 1	7	Jan. 30	24	39.52	6.58	Aug.	0.68	do.	35.8	100	146	133	86	nw.
Runyon	Middlesex	18	17	51.1	97	do. 22	0	do. 29	18	37.74	6.23	July	0.02	do.	...	87	248	79	38	w.
Sandy Hook	Monmouth	15	43	53.4	94	do. 2	13	do. 14	43	37.01	7.58	do.	0.01	do.	13.1	96	134	120	111	nw.
Somerville [near]	Somerset	385	55	52.4	94	May 22†	6	do. 30†	57	42.39	8.30	do.	0.18	do.	46.7	91	204	85	76	w.
Sussex	Sussex	450	43	50.5	96	July 1†	−3	do. 30	46	35.24	6.51	do.	0.29	do	40.5	107	208	61	96	w.
Toms River	Ocean	38	...	...	...	...	...	...	20	41.46	7.78	do.	0.00	do.	31.0	86	...	...	...	...
Trenton	Mercer	56	69	54.2	98	July 2	11	Jan. 30	69	37.80	10.19	do.	0.19	do.	24.6	95	122	118	125	s.
Trenton No. 2	Mercer	105	5	54.0	98	do. 2	10	do. 30	11	44.87	11.80	do.	0.26	do.	32.4	94	...	...	...	...
Tuckerton	Ocean	23	43	54.9	98	June 2	10	do. 14	48	33.54	5.25	do.	0.12	do.	12.6	93	232	41	92	nw.
Vineland	Cumberland	110	47	...	...	...	...	...	61	35.31	6.99	June	0.33	do.	23.0	91	...	...	...	...
Westfield	Union	145	...	...	...	...	...	...	2	38.52	6.75	July	0.10	do.	...	76	244	44	77	sw.
Woodcliff Lake	Bergen	103	...	...	...	...	...	...	23	39.49	6.31	do.	0.33	do.	...	93	...	...	...	...
Woodstown	Salem	16	...	...	...	...	...	...	7	...	...	...	0.50	do.	...	...	...	...	...	...
New York, N.Y.	...	10	71	54.2	94	July 2	9	Jan. 30	71	36.20	5.32	Aug.	0.11	Sept.	25.8	94	145	106	114	nw.
Philadelphia, Pa.	...	26	71	56.2	97	do. 2	15	do. 30	71	32.18	5.60	July	0.51	do.	26.9	93	140	123	102	n.
For the State	...	...	...	53.0	105	July 2	−7	Jan. 30	...	37.23	6.40	July	0.28	Sept.	32.6	93	192	82	91	nw.

† Also on other dates.

W. B. O. Philadelphia-2-12-42-1050

ERRATA FOR 1941 MONTHLY ISSUES

Precipitation departures: Bridgeton, April −0.96; Burlington, April −1.72: Newton, February −1.17, June −0,65; Ridgefield, February −1.04, Temperature departures: Jersey City, November +5.3; Phillipsburg, June −1.5. Tuckerton minimum temperature December 24th should be 35°, mean minimum 30.7°, mean monthly 40.8°.

Monthly and annual Precipitation for the Year 1941, with Departures from the Normal.—Continued

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Atlantic City	4.31	+0.82	3.09	-0.27	2.86	-0.74	2.99	0.00	1.47	-1.58	4.12	+1.08	3.97	+0.04	2.93	-1.56	0.01	-2.61	1.57	-1.63	1.31	-1.51	3.43	-0.51	32.06	-8.50
Barnegat City	3.71	......	2.77	......	2.61	......	1.99	......	1.28	......	2.99	......	3.18	......	2.85	......	0.05	......	1.92	......	1.45	......	5.49	......	28.29	......
Belleplain	3.64	+0.10	2.62	-0.71	3.18	-0.58	3.24	-0.46	1.61	-1.91	5.22	+1.78	5.00	+0.69	3.43	-1.17	T.	-3.38	2.00	-0.90	2.20	-0.34	3.00	-1.00	35.14	-7.88
Belmar	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	*1.79	......	3.23	......	4.07	......	......	......
Belvidere	3.54	-0.22	2.27	-1.29	2.19	-1.50	2.20	-1.56	1.24	-2.30	4.43	+0.43	4.71	+0.17	5.17	+0.60	0.54	-3.20	2.19	-1.63	3.97	+0.78	3.33	-0.58	35.78	-10.30
Berlin	......	......	......	......	......	......	......	......	......	......	......	......	3.53	......	2.68	......	0.21	......	1.38	......	2.93	......	4.10	......	......	......
Boonton	2.65	-0.73	1.99	-1.31	1.68	-1.96	2.09	-1.81	1.78	-1.92	4.73	+0.77	5.17	+0.53	4.66	-0.03	1.42	-2.43	1.65	-2.26	3.35	+0.34	4.10	+0.40	35.27	-10.41
Bridgeton	3.51	+0.06	1.98	-1.24	2.06	-1.78	2.64	-0.96	1.65	-1.62	7.13	+3.21	5.49	+1.04	3.06	-1.61	0.00	-3.31	2.36	-0.74	2.68	+0.08	3.68	-0.02	36.24	-6.89
Brooklawn	......	......	......	......	......	......	......	......	......	......	......	......	6.86	......	3.83	......	0.23	......	1.52	......	2.47	......	3.50	......	......	......
Burlington	3.48	-0.09	1.63	-1.69	3.84	+0.13	2.02	-1.72	1.61	-1.90	4.95	+1.26	9.55	+4.61	1.77	-4.01	0.40	-3.16	1.63	-1.86	3.04	+0.06	2.84	-1.11	36.76	-9.48
Canoe Brook	3.12	-0.89	2.41	-0.40	4.80	+0.46	2.34	-1.87	1.67	-1.87	4.47	-0.15	6.78	+3.00	5.25	+0.46	0.27	-4.89	1.85	-1.78	3.61	+0.09	4.37	+1.50	40.94	-6.34
Cape May	......	......	......	......	......	......	......	......	......	......	......	......	......	......	3.80	-0.46	0.14	-2.86	2.58	-0.72	......	......	2.24	-0.10	......	......
Charlotteburg	2.96	-0.66	2.17	-1.52	2.51	-1.48	1.99	-2.33	2.41	-1.47	4.80	+0.34	7.27	+2.69	4.53	+0.03	0.54	-3.61	2.20	-2.21	3.86	+0.24	4.98	+6.98	40.22	-9.00
Chatham	3.16	-0.81	2.25	-1.62	3.06	-0.98	2.31	-1.91	1.48	-2.44	4.14	+0.18	7.02	+2.08	5.39	+0.74	0.38	-3.84	2.07	-2.04	3.38	-0.06	4.20	+0.03	38.84	-10.67
Chatsworth	3.77	......	2.56	......	2.43	......	2.27	......	1.60	......	4.83	......	8.37	......	4.06	......	0.00	......	1.74	......	2.39	......	3.11	......	37.13	......
Clayton	3.94	+0.37	1.98	-1.36	2.17	-1.35	2.52	-1.09	1.87	-1.17	5.17	+1.43	6.17	+1.61	2.79	-2.03	0.59	-2.89	1.63	-1.53	2.67	-0.05	3.73	+0.04	35.23	-8.02
Culvers Lake	2.49	-0.55	1.94	-1.02	1.44	-1.88	1.20	-2.33	1.04	-2.79	3.78	-0.66	4.33	-0.45	4.07	-0.58	0.23	-3.79	1.93	-1.68	3.43	+0.33	3.27	-0.07	29.15	-15.47
Dayton	......	......	......	......	......	......	......	......	2.26	......	6.71	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......
Dover	2.91	-1.09	2.78	-0.99	3.28	-0.74	1.78	-2.28	1.90	-1.73	5.37	+0.94	5.25	+0.04	5.15	+0.65	0.74	-3.34	1.80	-2.34	3.47	-0.08	4.86	+0.68	39.29	-10.28
Egg Harbor City	4.39	+0.73	3.08	-1.12	2.11	-2.29	2.99	-0.67	1.23	-2.98	5.41	+1.90	4.77	-0.22	4.33	0.00	0.37	-3.91	2.48	-1.60	1.50	-2.20	3.33	-0.46	35.99	-12.82
Elizabeth	3.30	-0.40	2.87	-0.99	3.34	-0.62	2.83	-1.01	1.44	-2.20	4.23	+0.63	5.75	+1.03	4.73	+0.40	0.07	-3.54	1.80	-2.15	4.03	+1.11	4.18	+0.26	38.57	-7.48
Flemington	3.03	-0.44	1.94	-1.38	2.32	-1.31	2.30	-1.32	3.12	-0.40	4.48	+0.87	6.64	+1.79	5.92	+1.40	0.26	-3.38	1.84	-1.67	2.95	0.00	3.17	-0.49	37.97	-6.36
Freehold	4.79	+0.77	3.05	-0.89	3.14	-1.34	2.39	-1.32	2.58	-1.14	4.99	+1.24	7.61	+2.86	3.52	-1.11	0.04	-4.34	1.88	-1.80	3.20	-0.63	3.46	-0.12	40.65	-7.82
Hammonton	3.98	+0.24	2.94	-0.30	2.54	-1.38	2.51	-1.27	2.55	-1.06	5.66	+1.90	5.06	+0.52	2.59	-2.29	0.08	-4.13	3.49	-0.36	2.06	-0.98	3.63	-0.35	37.09	-9.46
Hightstown	3.23	-0.24	2.19	-1.20	2.60	-1.18	2.17	-1.72	3.21	-0.40	4.75	+0.99	8.50	+3.58	3.03	-1.99	0.02	-3.19	1.58	-2.12	3.09	+0.18	2.82	-0.72	37.19	-8.01
Indian Mills	3.79	-0.18	2.67	-1.00	2.52	-1.56	2.42	-1.38	1.63	-1.71	5.01	+1.08	8.12	+3.37	3.79	-1.74	0.04	-3.45	1.90	-1.79	2.45	-0.55	3.07	-1.04	37.41	-9.95
Jersey City	3.32	-0.38	3.12	-0.81	2.87	-1.15	2.67	-1.08	1.42	-2.03	3.87	+0.09	4.33	-0.02	5.34	+1.01	0.14	-3.26	1.44	-2.66	2.98	-0.02	4.55	+0.90	36.05	-9.41
Lakewood	4.51	+0.51	2.84	-1.05	2.82	-1.35	2.25	-1.70	2.73	-1.05	5.60	+1.59	6.18	+1.18	2.53	-2.66	T.	-3.04	1.82	-1.98	2.89	-0.20	3.90	-0.29	38.07	-10.04
Lambertville [near]	......	......	......	......	......	......	2.44	-1.36	2.24	-1.42	5.40	+1.64	8.39	+3.75	3.73	-1.07	0.30	-3.06	1.22	-2.33	2.84	-0.16	4.22	+0.52	......	......
Layton [near]	2.12	-0.86	0.63	-2.36	1.60	-1.69	1.89	-1.60	1.79	-1.35	4.67	+0.14	8.15	+3.75	2.97	-1.12	0.28	-3.58	1.96	-1.79	3.10	+0.03	2.87	-0.50	32.03	-10.93
Little Falls	3.45	-0.22	2.65	-1.15	2.94	-0.83	2.71	-1.45	2.42	-1.52	4.74	+0.72	7.28	+2.56	5.64	+0.68	0.82	-2.86	1.99	-2.60	3.39	-0.01	4.74	+0.80	42.77	-5.88
Long Branch	5.29	+1.15	3.74	-0.39	2.94	-1.23	2.26	-2.01	2.11	-1.74	4.33	+0.47	5.82	-0.03	2.32	-3.16	0.03	-3.16	2.08	-2.31	2.71	-0.85	3.90	-0.25	37.53	-13.51
Long Valley	3.08	-0.18	2.05	-0.61	3.00	-0.72	1.85	-1.79	1.77	-1.54	5.31	+0.73	5.07	+0.01	4.65	-0.08	0.39	-3.25	1.65	-1.67	3.63	-0.46	4.20	+1.14	36.65	-8.92
Marlton	......	......	......	......	......	......	......	......	......	......	......	......	7.64	......	4.00	......	0.25	......	1.68	......	2.82		3.54	......	......	......
Millville	......	......	1.93	......	1.99	......	2.43	......	0.99	......	6.13	......	3.54	......	2.58	......	0.01	......	1.80	......	1.70	......	3.66	......	......	......
Moorestown	3.82	+0.48	1.50	-1.75	3.29	-0.39	2.00	-1.65	1.22	-2.30	4.61	+0.83	8.99	+4.29	2.56	-2.81	0.49	-3.04	1.48	-2.00	2.98	+0.07	3.60	-0.17	36.54	-8.44
Morris Plains	......	......	......	......	......	......	......	......	......	......	......	......	4.66	......	5.39	......	0.41	......	2.97	......	2.83	......	4.06	......	......	......
Newark	3.15	-0.51	2.82	-0.63	2.59	-1.16	2.93	-0.95	0.98	-2.89	4.59	+0.07	4.08	-0.87	6.20	+1.65	0.14	-3.55	2.03	-2.33	2.87	-0.22	3.92	-0.04	36.30	-11.43
New Brunswick	3.30	-0.10	2.26	-1.11	2.86	-0.70	2.54	-1.07	2.34	-1.32	1.63	+0.95	7.10	+1.87	3.44	-1.96	0.04	-3.32	1.15	-2.67	3.06	+0.22	3.42	-0.12	36.14	-9.33
New Milford	3.47	+0.01	2.72	-0.35	2.25	-1.42	2.04	-1.68	2.45	-0.99	5.03	+1.01	4.84	+0.31	5.66	+1.30	0.30	-4.05	2.00	-1.09	2.39	-0.72	4.31	+1.35	37.46	-6.32
Newton	2.10	-1.20	1.98	-1.17	1.54	-1.85	1.67	-1.86	1.31	-2.30	3.83	-0.65	5.53	+0.70	4.17	-0.18	0.67	-3.09	3.45	-0.20	2.87	-0.20	3.28	-0.13	32.40	-12.13
North Merchantville	3.67	......	2.45	......	3.02	......	2.12	......	1.94	......	5.06	......	8.74	......	2.84	......	0.63	......	1.32	......	2.62	......	3.48	......	37.89	......
Orange	......	......	......	......	......	......	2.45	......	2.03	......	5.57	......	5.15	......	6.18	......	0.58		1.95	......	3.74	......	4.56	......	......	......
Paterson	2.08	-1.47	2.50	-1.48	1.86	-2.09	1.90	-1.93	2.40	-1.37	6.75	+3.05	3.87	-0.43	4.80	+0.17	1.00	-2.61	1.95	-2.16	2.96	-0.16	4.01	+0.16	36.08	-10.32
Pemberton	3.65	+0.12	2.62	-0.19	2.50	-0.90	2.06	-1.30	1.73	-1.69	6.41	+1.70	8.24	+4.74	2.66	-2.84	0.21	-4.62	1.88	-1.57	2.87	-0.23	3.07	+0.71	37.90	-6.07
Phillipsburg	4.69	+1.31	2.34	-0.97	2.56	-0.78	2.29	-1.10	2.38	-0.93	3.65	-0.08	7.12	+2.64	4.80	+0.40	0.32	-3.17	2.37	-1.23	3.10	+0.27	3.02	-0.41	38.64	-4.05
Plainfield	2.98	-0.67	3.14	-0.61	2.21	-1.75	2.61	-1.18	2.19	-1.54	6.06	+2.19	7.31	+1.76	3.82	-1.28	0.14	-3.89	2.65	-1.43	3.22	+0.17	3.58	-0.29	39.91	-8.52
Plainsboro	......	......	......	......	......	......	......	......	......	......	......	......	8.31	......	3.51	......	T.	......	1.23	......	3.26	......	3.36	......	......	......
Pleasantville	4.18	+0.98	2.46	-0.44	2.41	-1.00	2.98	-0.44	1.02	-2.16	5.39	+1.89	4.51	+0.45	4.12	-0.54	0.04	-2.93	1.55	-1.78	2.11	-0.71	3.07	-0.86	33.84	-7.54
Rahway	3.30	......	2.41	......	2.77	......	3.05	......	1.74	......	4.01	......	7.96	......	3.89	......	T.	......	1.22	......	3.17	......	3.39	......	36.91	......
Ridgefield	3.69	+0.03	2.86	-1.04	2.80	-1.27	2.01	-1.44	2.04	-1.43	5.14	+1.00	3.96	-0.86	6.58	+1.67	0.68	-2.46	1.97	-2.26	3.01	+0.17	4.78	+0.97	39.52	-6.92
Runyon	4.14	+0.55	2.75	-0.52	3.48	+0.03	2.56	-1.27	1.85	-1.91	5.02	+1.01	6.23	+1.46	3.42	-1.55	0.02	-4.06	1.70	-2.05	3.42	+0.23	3.15	+0.03	37.74	-8.05
Sandy Hook	3.48	-0.48	3.14	-0.61	2.56	-1.48	1.98	-1.64	2.39	-1.33	4.35	+0.57	7.58	+2.46	2.71	-2.27	0.01	-3.42	2.00	-1.78	2.79	-0.46	4.02	-0.02	37.01	-10.46
Somerville [near]	2.80	-0.72	3.45	0.00	4.37	+0.70	2.58	-1.08	1.67	-1.87	5.51	+2.00	8.30	+3.06	5.36	+0.44	0.18	-3.54	1.62	-1.96	2.92	-0.05	3.63	-0.08	42.39	-3.10
Sussex	2.50	-0.47	2.44	-0.52	2.77	-0.38	1.53	-2.00	1.87	-1.56	4.43	+0.35	6.51	+2.69	3.48	-0.52	0.29	-3.28	2.27	-1.09	3.26	+0.44	3.89	+0.92	35.24	-5.42
Toms River	3.61	-0.31	2.81	-1.26	5.95	+1.55	2.56	-1.35	1.55	-2.80	6.73	+3.05	7.78	+2.23	2.33	-3.28	0.00	-4.28	1.51	-2.55	2.74	-0.78	3.86	-0.50	41.46	-10.28
Trenton	3.49	+0.18	2.16	-1.11	2.26	-1.14	2.03	-0.91	1.39	-1.69	6.51	+3.42	10.19	+6.25	2.26	-2.49	0.19	-3.21	1.58	-1.20	2.66	-0.07	3.08	-0.27	37.80	-2.24
Trenton No. 2	3.59	......	2.73	......	2.85	......	2.23	......	1.88	......	8.25	......	11.80	......	3.03	......	0.26	......	1.67	......	2.95	......	3.63	......	44.87	......
Tuckerton	2.97	-0.70	1.93	-1.56	2.21	-1.92	2.16	-1.61	0.93	-2.51	4.79	+1.06	5.25	+1.27	4.54	-0.76	0.12	-3.14	1.71	-1.91	2.88	-0.12	4.05	-0.28	33.54	-12.18
Vineland	4.20	+0.68	1.92	-1.36	3.10	-0.44	2.45	-1.15	1.20	-2.00	6.99	+3.37	3.25	-1.28	3.54	-0.95	0.33	-3.12	2.37	-0.67	2.31	-0.35	3.65	+0.03	35.31	-7.24
Westfield	3.18	......	2.31	......	3.09	......	2.73	......	1.89		4.57	......	6.75	......	4.27	......	0.10	......	2.66	......	3.09	......	3.88	......	38.52	......
Woodcliff Lake	3.57	+0.03	2.66	-0.48	2.13	-1.42	2.06	-1.74	3.20	-0.26	4.55	+0.75	6.31	+2.38	5.85	+1.70	0.33	-3.84	1.84	-1.20	2.89	-0.20	4.10	+1.09	39.49	-3.19
Woodstown	......	......	......	......	......	......	......	......	......	......	......	......	......	......	6.56	......	0.50	......	0.84	......	2.85	......	3.88	......	......	......
New York, N. Y.	3.33	-0.33	3.31	-0.51	2.52	-1.12	3.12	-0.11	1.52	-1.72	4.04	+0.71	4.60	+0.36	5.32	+0.99	0.11	-3.28	1.43	-2.10	2.78	-0.18	4.12	+0.50	36.20	-6.79
Philadelphia, Pa.	3.16	-0.14	2.08	-1.24	2.80	-0.59	2.48	-0.57	0.87	-2.39	4.96	+1.72	5.60	+1.45	2.59	-2.03	0.51	-2.63	1.10	-1.71	2.36	-0.34	3.67	+0.24	32.18	-8.23
For The State	3.47	-0.18	2.47	-1.08	2.78	-0.99	2.32	-1.33	1.86	-1.82	5.09	+1.26	6.40	+1.71	4.06	-0.69	0.28	-3.51	1.90	-1.71	2.90	-0.30	3.70	+0.15	37.23	-8.49

* Interpolated from surrounding stations.

GENERAL SUMMARY (Continued)

July was the wettest month of the year and with a sufficiency of rain in August, good crops of the leading staples were assured.

September was the driest month of record in this State, averaging only 0.28 of an inch for the State. Corn, potatoes and other important crops were sufficiently matured, however, as to suffer little damage, but with a dry October following, water shortages were imminent in some localities. The rains of November and December, however, were sufficient to replenish soil moisture and water supplies.

An unusual feature of this year's weather was the severe storms of tornadic character on August 25th. They are described in the August issue of New Jersey Climatological Data.

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from the Normal

Stations.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic City	34.3	+1.8	32.3	-1.3	36.8	-1.8	52.6	+4.8	62.8	+4.7	68.4	+1.8	72.8	+0.7	73.0	+0.5	69.1	+2.3	62.2	+5.3	51.0	+5.4	41.0	+4.6	54.7	+2.4
Barnegat City	31.8	......	30.4	......	35.0	......	49.4	......	[a]58.9	......	66.0	......	69.7	......	70.0	......	67.2	......	59.2	......	48.4	......	38.2	......	52.0	......
Belleplain	32.0	-1.6	30.1	-2.6	[a]35.0	-6.4	53.8	+3.5	62.8	+2.0	[a]68.8	-0.5	[b]73.5	-0.2	71.4	-1.0	67.6	+1.2	[b]59.6	+4.2	45.2	+0.4	[a]37.2	+1.6	53 1	0.0
Belvidere	27.7	-0.3	28.2	0.0	33.5	-5.0	57.2	+7.5	63.4	+2.6	69.8	+0.4	74.4	+0.7	70.4	-0.9	66.8	+1.7	57.6	+2.7	44.8	+3.4	35.0	+3.9	52.4	+1.4
Boonton	26.4	-1.5	26.8	-1.2	32.3	-3.6	54.1	+6.1	60.1	+1.3	67.8	+0.3	72.3	+0.1	67.8	-2.7	63.8	+0.3	56.0	+3.8	43.6	+2.2	34.0	+3.7	50.4	+0.7
Bridgeton	32.7	-1.1	31.8	-2.2	37.0	-5 4	57.2	+5.0	65.4	+2.0	71.2	-0.9	76.6	+0.1	74.2	-0.5	71.6	+3.3	62.2	+5.2	48.0	+2.3	40.0	+3.8	55.7	+1.0
Burlington	32.5	-0.7	32.4	-0.8	36.6	-5.7	58.6	+6.7	64.3	+1.5	71.6	+0.2	74.8	-1.1	73.0	-1.3	70.4	+2.7	61.4	+4.2	46.5	+0.8	39 2	+3.8	55.1	+0.9
Canoe Brook	26.3	-3.1	27.4	-1.2	31.8	-5 2	53.4	+6.5	59.4	+0.7	67.6	+0.3	72.4	+0.3	68.0	-2.7	64.6	+0.8	56.2	+3.8	43.7	+2.0	34.6	+2 9	50.4	+0.4
Cape May	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	51.7	+4.3	41.2	+3.2	......	......
Charlotteburg	25.4	-2.1	25.8	-1.2	30.4	-5.9	54.0	+7.3	59.6	+1.9	66.4	+0.7	70.6	+0.2	67.0	-1.3	63.9	+1.6	56.8	+5.4	49.5	+8.8	34.4	+3.4	50.3	+1.6
Chatsworth	31.0	......	30.1	......	......	......	55.5	......	64.2	......	71.0	......	75.6		72.9	......	69.9	......	61.0	......	46.3	......	38.4	......	......	......
Clayton	31.1	-0.8	30.3	-1.3	35.6	-6.2	55.7	+4.8	63.8	+2.2	69.6	0.0	74.8	-0.4	72.2	-1.1	......	......	......	......	51.4	+7.0	39.0	+4.4	......	......
Dover	[d]25.8	-1.5	27.5	+0.3	......	......	[b]55.1	+7.7	60.8	+2.1	67.4	+0.4	71.8	+0.2	67.6	-1.7	62.8	+0.3	55.2	+3.8	44.2	+3.5	34.4	+4.0	......	......
Elizabeth	30.2	-0.7	31.0	-0.2	35.8	-3.6	57.6	+6.7	66.0	+4.2	......	......	75.4	+0.1	......	......	68.6	+1.7	58.5	+3.3	46.3	+2.4	40.4	+6.6	......	......
Flemington	29.4	-1.1	29.8	-0.5	35.2	-5.4	57.4	+7.2	63.6	+2.2	71.2	+1.3	75.4	+0.5	72.6	-0.2	69 7	+3.0	60.0	+4.4	46.8	+3.2	36.6	+3.6	54.0	+1.5
Freehold	29.4	-3.5	29.2	-2.1	34.2	-4.5	54.9	+5.0	62.9	+1.2	69.8	-0.7	73.5	-1.2	71.2	-2.0	68.0	+2.1	58.7	-2.1	47.0	-2.6	37.3	-1.7	53.0	-1.0
Hammonton	32.2	......	31.4	......	36.6	......	56.9	......	64.6	......	71.0	......	75.5	......	73.1	......	70.6	......	62.0	......	48.0	......	40.1	......	55.2	......
Hightstown	29.6	-0.9	29.3	-1.7	34.1	-6.5	55.2	+5.0	62.0	+1.1	69.5	+0.3	73.6	-0.6	71.0	-1.2	67.2	+0.7	59.2	+4.3	46.0	+2.2	37.0	+3.6	52.6	+0.5
Indian Mills	30.6	-1.8	30.0	-2.7	35.2	-5.9	55.9	+5.4	63.3	+1.5	70.0	0.0	74.4	-0.2	71.4	-1.2	67.7	+1.3	60 1	+4 8	46.3	+2.4	38.1	+3.5	53.6	+0.6
Jersey City	31.2	-1.4	32.8	+1.1	36.8	-3.1	58.2	+8 1	65 4	+3.7	72.2	+1.2	76.2	+0.3	74.6	-0.6	70.6	+3.0	61.8	+5.4	50.2	+5.3	39.2	+4.2	55.6	+2.4
Lakewood	30.8	-1.4	30.4	-1.1	35.5	-4.8	55.0	+5.4	63.2	+2.8	70.0	+1.2	73.7	+0.2	71.4	-0.1	68.0	+2.8	59.2	+4.8	47.6	+3.8	38.4	+3.9	53.6	+1.5
Lambertville[near]	......	......	......	......	......	......	56.6	+6.6	63.2	+2.2	69.8	+0.3	74.2	+0.1	71.2	-1.1	68.6	+2.8	58.0	+5.6	46 0	+2.8	37.0	+3.6	......	......
Layton [near]	23.8	-1.8	25.2	-0.1	29.9	-5.9	53.2	+6.5	58.8	+1.1	67.6	+1.5	71.4	+0.2	66.9	-1.8	63.0	+0.5	54.4	+3.5	42.3	+2.8	32.0	+3.6	49.0	+0.8
Little Falls	27.6	-1.9	29.3	-1.0	34.2	-4.7	55.9	+6.5	62 3	+2.0	69.4	+0.2	73 9	-0.1	70.8	-1.3	66.6	+1.3	58.6	+4.5	45.8	+2 7	36.1	+3.3	54.2	-1.0
Long Branch	30.5	-1.5	29.8	-2.4	35.2	-4.1	53.4	+5.2	61.1	+2.6	69.6	+1.9	73.6	+0.7	71.4	-0.1	67.9	+2.0	59.5	+4.3	48.1	+3.7	38.4	+3.7	53.2	+1.3
Long Valley	25.9	......	26.6	......	30.6	......	52.9	......	59.1	......	[b]67.6	......	71.4	......	67.0	......	63.2	......	55.0	......	43.2	......	33 4	......	49.7	......
Moorestown	29.9	-1.3	29.8	-2.0	35.6	-4.3	56.4	+6.0	63.2	+1.9	69.8	-0.4	74.0	-0.8	71.1	-1.6	67.8	+1 6	60.6	+5.7	47.6	+4.5	37.8	+3.8	53.6	+1.1
Newark	29.0	-0.9	30.6	+1.0	35.4	-4.0	56.2	+6.2	63.0	+1.8	70.6	+1.0	75.0	+0.3	71.9	-1.1	68.0	+1.6	58.8	+3.2	47.4	+3.6	36.9	+3.2	53.6	+1.3
New Brunswick	29.4	-1.2	29.8	-1.3	34.4	-4.8	56.1	+6.5	63.0	+2.5	70.0	+0.7	74.4	+0.3	71.6	-0.6	68.4	+2.6	59.6	+4.8	47.2	+3.5	37.5	+4.0	53.4	+1.4
Newton	[b]27.0	+0.4	26.1	-1.1	30.4	-5.6	54 8	+7.0	59.9	+0.4	67.2	-0.7	[a]72.0	- 0.6	[a]68.4	-2.0	*64.3	+0.5	55.6	+2.9	44.2	+3.3	33.6	+3.2	50.3	+0.6
N. Merchantville	30.8	......	31.3	......	36.8	......	58.8	......	65.4	......	71.8	......	76.0	......	73.6	......	70.1	......	61.4	......	49 2	......	39.1	......	55.4	......
Paterson	27.9	-2.3	29.0	-1.7	34.4	-2.7	56.4	+5.8	63.3	+1.8	70.2	+0.1	74.8	+0.2	71.6	-0.6	67.1	+0.8	58.0	+2.9	46.4	+2.6	35.7	+2.2	52.9	+0.8
Pemberton	32.0	-2.5	31.2	-2.4	36.6	-4.9	57.1	+6.2	65.0	+2.0	71.2	-0.4	75.2	-0.7	73 2	-1.2	69.4	+1.7	61.5	+5.8	47.9	+1.7	39.4	+3.2	55.0	+0.7
Phillipsburg	26.0	-2.8	27.1	-1.8	32.2	-6.3	54.8	+5.4	61.4	+0.3	68.0	-1.5	72.4	-1.6	69.0	-2 8	64.8	-0.4	55.8	+2.3	44.4	+2.5	35.4	+3.6	50.9	-0.5
Plainfield	29.7	-0.6	30.6	+0.9	35.0	-4.1	57.1	+7.7	63.9	+3.7	70.4	+1.5	74.8	+0.9	71.6	-0.2	68.4	+2.8	59 2	+5.2	47.2	+4.3	37.0	+3.9	53.7	+2.2
Pleasantville	31.9	-1.7	30.2	-3.4	36.0	-4.4	52.8	+4.2	62.2	+3.2	69.1	+0.6	73.0	-0.3	70.4	-1.8	66.4	+0.5	60.0	+5.2	46.2	+1.2	37.6	+2.1	53.0	+0.4
Ridgefield	27.6	-1.9	29.8	0.0	34.4	-4.1	55.9	+7.5	62 3	+2.4	69.8	+1.1	74.2	+0.5	71.1	-0.7	67.0	+1.9	58.0	+4.2	46.6	+3.6	36.0	+3.8	52.7	+1.5
Runyon	27.4	-3.3	27.6	-3.2	33.0	-6.4	54.4	+6.3	60.0	+0.5	66.7	-1.9	71.2	-1.8	68.4	-3.3	66.0	+1.7	58.8	+6.0	43.9	+1.1	35.4	+3.0	51.1	-0.1
Sandy Hook	30.1	-1.2	30.6	-1.5	35.0	-4.3	53.3	+5.0	61.4	+3.0	68.8	+1.0	73.4	-0.1	72.6	-0.1	68.8	+1.3	60.0	+3.3	48.6	+2.8	37.7	+2.5	53.4	+1.0
Somerville[near]	28 9	-0.6	28.9	-1.0	33.6	-5.2	56.3	+6.9	62.4	+1.9	68.6	-0.5	72.0	-2.0	70.3	-2.0	67.3	+1.4	57.9	+3.7	46.6	+3.8	35 9	+3.1	52.4	+0.8
Sussex	25.2	-2.0	26.6	-0.3	31.4	-5.4	54.8	+6.4	60.4	+0.7	68.6	+1.2	73.1	+0.8	68.2	-1.8	64.3	0.0	55.7	+2.8	44.2	+2.8	33.5	+3.3	50.5	+0.7
Trenton	29.6	-0.9	30.4	-0.3	35.5	-3.6	57.3	+7.5	64.4	+3.3	70.9	+1.4	74.8	+0.3	72.6	-0.4	68 6	+1.7	60.4	+4.8	48.3	+3.9	37.9	+3 5	54.2	+1.8
Trenton No 2	29.7	......	30.0	......	35.3	......	57.0	......	64.3	......	70.8	......	74.8	......	72.4	......	68.5	......	59.7	......	47.8	......	37.8	......	54.0	......
Tuckerton	33.0	-1.0	32.2	-1.1	37.2	-4.0	54.6	+5.2	63.3	+3.4	69.8	+0.9	74.0	-0.2	72.6	-0.1	69.1	+2.4	62.0	+5.5	49.9	+4.5	40.9	+4.6	54.9	+1.7
New York, N. Y.	29.8	-1.1	31.4	-0.1	35.7	-2.0	56.0	+6.6	63.0	+2.4	70.2	+1.4	74.7	+0 9	72.7	-0.4	69.0	+2.2	60 0	+3.7	49.6	+5.4	38.2	+3.2	54.2	+1.9
Philadelphia, Pa.	31.8	-0.8	31.8	-2.1	37.4	-3.4	59.2	+7.1	66.3	+3.4	72.1	+0.7	76.4	+0.2	75.3	+0.5	71.3	+3.3	62.8	+5.0	50.4	+4.7	39.8	+3.5	56.2	+2.2
For The State-	29.4	-1.5	29.4	-1.2	34.5	-4.7	55.4	+5.8	62.6	+2.2	69.4	+0.4	73.8	0.0	71.0	-1.0	67.5	+1.7	58.9	+4.3	46.8	+3.1	37.2	+3.4	53.0	+1.0

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days.

* Estimated

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Atlantic City	Mar. 31*	Nov. 22	Little Falls	Apr. 4	Oct. 26
Barnegat City	Apr. 27*	do. 11*	Long Branch	do. 7	Nov. 11
Belleplain	do. 13*	Oct. 26*	Long Valley	May 13	Oct. 26
Belvidere	May 3*	do. 27	Moorestown	Apr. 7	do. 29
Boonton	do. 13*	do. 26*	Newark	Mar. 31*	Nov. 11*
Bridgeton	Apr. 7*	do. 26	New Brunswick	Apr. 7*	Oct. 26
Burlington	Mar. 31*	do. 26*	Newton	May 3*	do. 29
Canoe Brook	May 3*	do. 12*	N. Merchantville	Mar. 31*	do. 30
Charlotteburg	do. 15*	Sept. 30	Paterson	Apr. 1	do. 30
Chatsworth	do. 14*	Oct. 26	Pemberton	do. 7*	do. 29
Clayton	do. 13*	do. 17			
			Phillipsburg	Apr. 8*	Oct. 26
Dover	Apr. 25	Oct. 17	Plainfield	do. 7	do. 26
Elizabeth	do. 13*	do. 17*	Pleasantville	May 13*	do. 26
Flemington	May 3	do. 26	Ridgefield	Mar. 31*	do. 29
Freehold	Apr. 25	do. 26	Runyon	May 19*	do. 13*
Hammonton	do. 8	do. 26	Sandy Hook	Mar. 31*	Nov. 25*
Hightstown	May 3*	do. 26	Somerville	May 3	Oct. 26
Indian Mills	do. 13	do. 26	Sussex	do. 15	Sept. 30
Jersey City	Mar. 31*	Nov. 25*	Trenton	Mar. 30	Oct. 29
Lakewood	Apr. 9	Oct. 29	Tuckerton	do. 31*	do. 29
Lambertville	May 3	do. 17			
Layton	do. 15	Sept. 30	For the State	May 19*	Sept. 30

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1941

Month	Temperature				Precipitation					
	Mean	Depart-ure from normal	Highest	Lowest	Average	Depart-ure from normal	Greatest	Least	Snow	Greatest.
January	29.4	-1.5	58	-7	3.47	-0.18	5.29	2.08	8.8	18.2
February	29.4	-1.2	53	-5	2.47	-1.08	3.74	0.63	8.8	16.2
March	34.5	-4.7	63	3	2.78	-0.99	5 95	1.44	14.6	27.4
April	55.4	-5.8	96	19	2.32	-1.33	3.17	1.20	0.0	0
May	62.6	+2.2	99	23	1.86	-1.82	3.21	0.93	0.0	0
June	69.4	+0.4	98	37	5.09	+1.26	8.25	2.99	0.0	0
July	73.8	0.0	105	41	6.40	+1.71	11.80	3.25	0 0	0
August	71.0	-1.0	97	34	4.06	-0.69	6.58	1.77	0.0	0
September	67.5	+1.7	98	26	0.28	-3.51	1.42	0 00	0.0	0
October	58.9	+4.3	97	17	1.90	-1.71	3.49	1.15	0.0	0
November	46.8	+3.1	78	13	2.90	-0.30	4.03	1.31	0.0	0
December	37.2	+3.4	70	0	3.70	+0.15	4.98	2.24	0.4	2.3
Year	53.0	+1.0	105	-7	37.23	-8.49	11.80	0.00	32.6	27.4

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

Vol. XLVII. JANUARY, 1942. No. 1.

NOTE.—The price of this publication is 25 cents per year (not in stamps), payable to the Superintendent of Documents, Government Printing Office, Washington, D. C. It is furnished without charge to the cooperative observers whose work appears herein

GENERAL SUMMARY.

The cold weather, which prevailed in the interior of the country during the latter part of December and the first week in January, spread to the Middle Atlantic seaboard, causing sub-zero temperatures in parts of New Jersey every morning from the 6th to 9th of January. There was considerable moderation by the morning of the 10th with readings in the twenties in the afternoon of that day. This rise was followed by a severe cold wave, however, with readings far below zero on the morning of the 11th, in nearly all parts of the State, except for a narrow belt from the Trenton area northeastward to Hudson County, in which it was not so cold. The low temperatures of −22° at Belleplain and −23° at Pleasantville on the 11th are the lowest of record for extreme South Jersey, though at Indian Mills, about 35 miles farther north, a minimum of −25° was registered February 9, 1934. Other low readings in the southern part of the State on the 11th, were −12° at Tuckerton and Clayton, −13° at Hammonton, −16° at Indian Mills, and −20° at Chatsworth. The area is low and flat with the stations less than 100 feet above sea level. Readings of near −20° were also registered in extreme North Jersey on the 11th. The zero belt on that morning extended southward to North Carolina with Richmond, Virginia reporting −6°.

Precipitation was slightly below normal and was well distributed over the State, being slightly greater in the central part. Snowfall was somewhat below normal and occurred mostly on the 4th, 10th, and 28th. Sleet, while noted on three days, was of little consequence. Sunshine was near normal.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 28.9°, which was 2.0° below normal. The highest temperature was 66° at Hammonton on the 19th, and the lowest, −23°, at Pleasantville on the 11th. The highest monthly mean temperature was 33.7° at Atlantic City, and the lowest, 22.6° at Layton.

The temperature departure from the normal for the year, 1942, to date, for the State is −2.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 2.98 inches, which was 0.67 inch below normal. The average total snowfall at 22 selected stations was 5.5 inches, which was 1.8 inches below normal. The greatest monthly precipitation was 4.30 inches at Elizabeth, and the least, 2.26 inches at Long Valley. The greatest amount of precipitation in any 24 consecutive hours was 1.75 inches at Clayton on the 19-20th. The average for the Highlands was 2.88 inches, for the Red Sandstone Plain 3.11 inches, for the Southern Interior 2.93 inches, and for the Sea Coast, 2.82 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, −0.55 inch; Red Sandstone Plain, −0.47 inch; Southern Interior, −0.67 inch; Sea Coast, 0.92 inch.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 2, 19, 20, 26, 27, 31.
Sleet: 4, 26, 28.
Thunderstorms: 2, 26, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.09	30.61	17	29.36	31	16.6	52	se.	31	69	57	62	53
Long Branch	30.08	30.61	17	29.27	31	12.4	44	n.	29	74	53	63	53
Ridgefield	30.06	30.54	17	29.28	31		....		....	....	....	....	....
Sandy Hook	....	....	....	....	....	....	....	....	....	....	....	....	....
Trenton	30.08	30.59	17	29.30	31	9.6	31	w.	2	70	56	60	48

COMPARATIVE DATA FOR JANUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.8	67	0	4.08	......	......	......	......	......
1886	27.3	60	−10	4.47	......	......	......	......	......
1887	28.4	67	−6	3.86	......	10	......	......	......
1888	25.4	59	−12	4.77	......	9	......	......	......
1889	36.2	60	8	5.68	......	9	......	......	......
1890	41.3	78	12	2.29	......	10	......	......	......
1891	34.2	59	10	6.57	......	10	10	11	10
1892	29.9	67	−6	5.13	......	10	10	9	12
1893	21.6	54	−21	3.04	......	9	10	10	11
1894	34.2	61	−4	2.34	......	11	10	8	13
1895	28.1	64	−4	4.66	9.7	11	10	10	11
1896	28.6	61	−7	1.66	......	5	12	10	9
1897	29.0	64	−6	2.80	11.5	9	11	8	12
1898	32.6	64	−10	4.20	9.7	11	9	11	11
1899	30.1	60	−21	4.01	6.0	11	13	8	10
1900	32.4	64	−5	3.85	2.6	10	11	11	9
1901	30.4	63	−6	2.52	5.4	9	11	11	9
1902	28.4	58	−5	3.28	8.6	10	12	9	10
1903	30.4	57	−5	3.90	6.4	10	10	10	11
1904	23.3	58	−34	3.09	15.6	10	13	7	11
1905	27.0	60	−16	4.18	21.3	9	12	9	10
1906	36.5	74	−5	2.85	3.1	11	11	9	11
1907	31.8	71	−19	3.50	10.3	14	8	9	14
1908	31.8	60	−6	3.74	9.9	9	12	11	8
1909	33.2	69	−12	3.18	7.5	12	8	9	14
1910	29.7	54	−15	5.04	13.3	15	8	8	15
1911	33.5	63	0	3.44	3.6	14	10	7	14
1912	22.3	58	−32	2.82	13.4	13	8	12	11
1913	39.5	68	10	3.58	0.8	14	11	7	13
1914	31.9	73	−12	3.85	2.4	9	9	8	14
1915	33.5	61	3	6.55	3.4	12	11	6	14
1916	35.1	74	−2	1.50	1.9	11	11	8	12
1917	31.4	58	0	3.26	5.4	13	10	8	13
1918	28.3	56	−16	4.14	18.9	11	12	8	11
1919	34.1	62	−7	3.51	1.3	8	14	7	10
1920	23.6	53	−10	2.60	6.6	11	11	7	13
1921	33.0	63	−5	2.63	2.7	9	13	8	10
1922	27.6	57	−11	2.62	11.1	8	15	6	10
1923	30.1	66	−14	5.22	16.6	12	9	7	15
1924	32.2	65	−6	4.48	1.4	8	15	8	8
1925	27.4	59	−20	4.43	22.8	10	12	6	13
1926	30.8	63	−9	2.61	2.4	9	11	8	12
1927	29.2	70	−12	2.22	7.9	11	11	7	13
1928	32.5	65	−15	2.26	8.3	8	15	8	8
1929	30.7	67	−4	3.49	1.0	10	13	7	11
1930	31.7	72	−14	2.92	5.9	10	10	6	15
1931	31.6	64	−5	2.16	1.6	5	16	7	8
1932	42.4	76	18	4.50	1.5	13	8	6	17
1933	38.5	67	2	2.39	1.2	8	13	7	11
1934	33.6	64	−1	2.59	0.2	8	11	8	12
1935	28.2	65	−26	4.00	15.8	11	13	5	13
1936	27.2	59	−15	6.34	9.1	13	13	7	11
1937	40.3	72	9	6.30	2.2	16	6	6	19
1938	31.0	68	−19	3.64	4.0	12	10	7	14
1939	30.9	65	−10	3.98	10.2	11	11	6	14
1940	22.4	62	−13	1.95	5.6	7	16	6	9
1941	29.4	58	−7	3.47	8.8	10	12	6	13
1942	28.9	66	−23	2.98	5.5	7	13	7	11
Period	30.9	78	−34	3.65	7.3	10	11	8	12

Climatological Data for January, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	33.7	+1.2	59	2	9	8	2.92	−0.57	1.09	19-20	3.3	8	12	8	11	w.	U. S. Weather Bureau
Barnegat City	Ocean	36	§22	30.2	......	57	2	0	11	2.69	......	0.80	31	4.0	9	16	8	7	w.	U. S. Coast Guard.
Belleplain	Cape May	49	48	29.2	−4.4	60	2	−22	11	3.82	+0.28	1.35	19-20	3.0	8	13	7	11	w.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	......	......	......	......	......	......	2.82	......	0.75	31	2.9	9	8	9	14	nw.	Fred Fine.
Belvidere	Warren	289	51	27.4	+0.6	55	2	−11	11	2.52	−1.24	0.65	19	6.2	8	16	7	8	......	Miss C. S. Hixson.
Berlin	Camden	70	....	......	......	......	......	......	......	3.76	......	1.43	20	......	5	20	3	8	......	Samuel H. McCulley.
Boonton	Morris	280	§52	24.3	−3.6	57	1†	−11	11	2.30	−1.08	0.72	2	......	7	13	1	17	sw.	John Kline.
Bridgeton	Cumberland	30	59	31.6	−2.2	59	18	−5	11	3.14	−0.31	1.40	19-20	2.3	7	17	1	13	nw.	Bennett K. Matlack
Brooklawn	Camden	30	....	......	......	......	......	......	......	2.40	......	0.67	19	......	7	......	......	......	......	C. D. Scott.
Burlington	Burlington	12	§56	29.7	−3.5	56	18	3	9	3.14	−0.43	0.98	19-20	5.0	7	18	3	10	nw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	25.0	−4.4	61	1†	−14	11	3.19	−0.68	1.00	2	......	8	7	11	13	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	54	32.8	−1.3	58	2	9	11	2.68	−0.69	0.98	19-20	......	8	13	8	10	nw.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	26.2	−1.3	57	2	−18	11	3.42	−0.20	0.95	1-2	6.7	8	14	2	15	ne.	Newark Water Dept
Chatham	Morris	185	38	......	......	......	......	......	......	2.91	−1.06	0.84	19	......	9	4	17	10	......	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	29.8	......	58	18	−20	11	3.16	......	1.39	31	4.8	6	15	6	10	w	Alfred L. Stevenson.
Clayton	Gloucester	120	29	30.3	−1.6	58	2†	−12	11	2.81	−0.76	1.75	19-20	......	6	10	1	20	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	......	......	......	......	......	......	3.13	+0.09	1.05	31	7.6	8	......	......	......	......	L. S. Depue.
Dayton	Middlesex	90	....	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	Edward Visinski.
Dover	Morris	600	58	26.7ᵇ	−0.5	55	2	−11	11	3.05	−0.95	1.02	31	6.5	7	9	11	11	......	William C. Harris
Egg Harbor City	Atlantic	63	20	......	......	......	......	......	......	2.58	−1.08	1.02	31	2.1	7	18	5	8	......	Chas. E. Hall.
Elizabeth	Union	34	63	32.4	+1.5	58	2†	6	8	4.30	+0.60	1.02	19	5.6	8	17	3	11	w.	Union County Park Comm
Flemington	Hunterdon	140	§56	27.5	−3.0	58	24	−15	11	2.50	−0.97	0.64	19	8.5	10	18	5	8	w.	Hiram E. Deats
Freehold	Monmouth	194	§38	29.9	−2.8	57	19	−5	11	2.86	−1.16	0.80	31	6.2	8	19	3	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	32.4	−1.7	66	19	−13	11	2.81	−0.93	1.10	19-20	5.5	6	13	5	13	w.	J. G. Wilson.
Hightstown	Mercer	110	49	28.7	−1.8	58	2	−6	11	2.94	−0.53	1.01	19-20	7.5	7	12	9	10	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	29.6	−2.8	60	18†	−16	11	2.60	−1.37	0.98	19-20	5.2	8	12	9	10	w.	Edward Entwistle.
Jersey City	Hudson	81	44	31.8	−0.8	56	2	4	8	2.49	−1.21	0.72	19-20	6.1	8	8	9	14	nw.	Jersey Journal.
Lakewood	Ocean	54	38	30.3	−1.9	59	18†	−12	11	3.15	−0.85	0.90	19-20	3.5	9	8	9	14	nw.	R. W. Holman.
Lambertville	Hunterdon	75	55	28.2	−2.6	57	2	−9	11	2.55	−0.91	0.67	19-20	7.3	10	17	5	9	uw.	George Bailey.
Layton(near)‡‡	Sussex	480	41	22.6	−3.0	64	24	−21	11	2.75	−0.23	0.89	31	8.2	8	13	3	15	sw.	A. M. Depue.
Little Falls	Passaic	157	39	28.2	−1.3	59	1	−5	11	2.78	−0.89	0.77	19-20	6.5	9	16	9	6	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	30.2	−1.8	60	18	−1	11	3.37	−0.77	0.82	31	4.9	10	8	13	10	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	24.0	......	55	1†	−17	11	2.26	−0.75	0.76	20	7.5	5	22	4	5	w.	Arthur Barkman.
Marlton	Burlington	90	....	......	......	......	......	......	......	2.71	......	1.23	19-20	7.0	7	14	6	11	sw.	David Griscom.
Millville	Cumberland	60	1	......	......	......	......	......	......	2.81	......	1.15	19-20	......	8	12	8	11	......	Paul Ritchie.
Moorestown	Burlington	62	79	29.5	−1.7	59	2	−3	11	2.50	−0.84	1.03	20	2.8	5	9	12	10	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	......	......	......	......	......	......	3.15	......	0.74	19	6.6	8	14	8	9	......	James C. Long.
Newark	Essex	10	43	29.2	−0.7	58	2	2	11	3.27	−0.39	0.90	19-20	5.7	10	10	8	13	w.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	29.1	−1.5	59	2	−2	11	3.12	−0.28	0.98	19-20	5.0	8	13	6	12	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	......	......	......	......	......	......	3.27	−0.19	0.78	31	......	9	......	......	......	......	Hackensack Water Co
Newton	Sussex	769	59	25.7	−0.9	58	24	−8	8	2.32	−0.98	0.81	19	8.5	8	10	10	11	sw.	Irving J. Kern
N. Merchantville	Camden	63	8	31.4	......	59	2	4	11	3.19	......	0.77	19-20	6.4	9	6	11	14	nw.	A. Reuleaux Heintze.
Orange	Essex	110	2	......	......	......	......	......	......	3.60	......	0.86	19-20	8.1	8	......	......	......	......	H. J. Finley.
Paterson	Passaic	95	71	27.2	−3.0	59	1†	−3	11	2.93	−0.62	1.05	31	4.7	9	14	7	10	nw.	J. W. Cook.
Pemberton	Burlington	55	13	30.8	−3.7	59	19	−9	11	2.79	−0.69	0.89	19	6.5	8	15	2	14	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	27.0	−1.8	56	23	−12	11	2.52	−0.86	0.69	31	6.8	9	10	9	12	......	Town Engineer.
Plainfield	Union	120	54	28.8	−1.5	57	2	−2	11	3.44	−0.21	0.90	31	6.3	9	8	9	14	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	......	......	......	......	......	......	3.54	......	0.95	3	5.7	8	......	......	......	......	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	29.0	−4.6	61	2†	−23	11	2.65	−0.55	1.12	20	......	7	15	6	10	nw.	N. J. Water Policy Comm.
Rahway	Union	20	2	......	......	......	......	......	......	2.90	......	1.02	4-5	......	9	11	6	14	......	Louis Fontenelli.
Ridgefield	Bergen	80	25	28.2	−1.3	57	2	1	10†	3.44	−0.22	0.81	31	7.8	8	10	12	9	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	26.5	−4.2	58	2	−18	11	3.05	−0.55	0.92	19	......	6	15	9	7	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	30.6	−0.7	54	2	8	11	2.44	−1.52	0.65	19	3.6	8	7	12	12	nw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	28.4	−1.1	55	2†	−2	11	2.80	−0.72	0.87	19-20	6.0	9	14	7	10	nw.	Richard H. Rogers.
Sussex	Sussex	450	47	25.1	−2.1	55	2	−14	11	3.59	+0.62	1.05	19-20	6.6	9	15	4	12	w.	Marshall Hunt.
Toms River	Ocean	33	21	......	......	......	......	......	......	3.03	−0.89	0.83	31	3.8	8	......	......	......	......	Robt. F. Snyder.
Trenton	Mercer	56	70	30.2	−0.3	59	2	2	11	2.82	−0.49	0.79	19-20	6.4	9	11	8	12	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	29.8	......	58	2	2	11	3.50	......	0.88	19-20	7.8	11	......	......	......	......	Edward H. Ristow.
Tuckerton	Ocean	23	49	32.7	−1.3	60	24	−12	11	3.05	−0.62	0.78	20	3.0	11	15	4	12	nw.	John H. Brown.
Vineland	Cumberland	109	62	......	......	......	......	......	......	2.76	−0.76	1.43	20	2.3	6	......	......	......	......	Edward H. Ladd.
Westfield	Union	145	2	......	......	......	......	......	......	2.74	......	0.85	19-20	5.0	9	20	1	10	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	......	......	......	......	......	......	3.78	+0.24	1.02	31	......	9	......	......	......	......	Hackensack Water Co
Woodstown	Salem	16	8	......	......	......	......	......	......	2.61	......	0.68	19	......	5	18	4	9	sw.	Geo. S. Keen
New York, N. Y.	......	10	72	30.9	0.0	57	24	5	8	3.17	−0.49	0.96	31	6.2	10	10	11	10	nw.	U. S. Weather Bureau.
Philadelphia, Pa	......	26	72	32.5	−0.1	59	2	6	8	2.34	−0.96	0.72	3-4	5.3	10	10	9	12	n.	U. S. Weather Bureau.
For the State	......	......	....	28.9	−2.0	66	19	−23	11	2.98	−0.67	1.75	19-20	5.5	7	13	7	11	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-2-23-42-925

Daily Precipitation for January, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.22	T.	T.	.46					.03	.16									.54	.55	T.					T.		.30			.66	2.92
Barnegat City[4]	Coast	.11	.02		.43					.05	.25									.42	.25						T		.36			.80	2.69
Belleplain	Tuckahoe	.53	.23		.33						.24									.53	.82								.23	T.		.91	3.82
Belmar	Coast	.05	.20		.59						.15	T.								.54	.19	T.					.01		.33	.01		.75	2.82
Belvidere	Delaware	.30	.18		.58						.06									.65							.12		.02			.61	2.52
Berlin	Mullica				.80						.19										1.43								.34			1.00	3.76
Boonton[3]	Passaic		.72		.44	T.					.07									T.	.70						.07	.21		.09			2.30
Bridgeton	Delaware	.18	T.		.32						.17									.91	.49								.42			.65	3.14
Brooklawn	...do		.15		.54						.08									.67	.08								.30			.58	2.40
Burlington	Delaware		.35		.09						.80	T.								.79	.19								.25			.67	3.14
Canoe Brook[3]	Passaic		1.00		.70	.01					.06										.81						.12	.15		.34			3.19
Cape May[2]	Coast	.34		T.	.24			T.	T.	.05	.04									.48	.50						T.		.30			.73	2.68
Charlotteburg	Passaic	*	.95		.62						.03									.75							.26		.11			.70	3.42
Chatham[3]	...do		.76	.09	.50	.04					.08									.84						.06	.22	T.		.32			2.91
Chatsworth	Delaware		.20		.45						.18									.53									.41			1.39	3.16
Clayton	Delaware		.15		.46						.10									1.12	.63								.35				2.81
Culvers Lake	...do	.11	.44		.64						.04									.66							.14		.05			1.05	3.13
Dayton	Raritan																																
Dover	Passaic	.35			.50						.05									.78							.25		*.10*			1.02	3.05
Egg Harbor City[2]	Mullica	.26			T.	.31				T.	.12									.52	.04								.31			1.02	2.58
Elizabeth	Coast	.02	.51		.86						.10									1.02		T.					.13	T.	.98			.68	4.30
Flemington	Raritan	.05	.36		.39						.09									.64	.19	T.					.02		.21	.05		.50	2.50
Freehold	.do	.06	.08		.77						.17									.53	.09						T.		.36			.80	2.86
Hammonton	Mullica				.40						.20									.70	.40								.33			.78	2.81
Hightstown	Raritan	T.	.19		.73	T.					.08									.89	.12	T.					T	T.	.41	T		.52	2.94
Indian Mills	Mullica	.05	.10		.45						.14									.75	23	T.					T.		.45	T.		.43	2.60
Jersey City	Coast	.12	.15		.71						.09	T.								.65	.07	T.					.07	T.	.63				2.49
Lakewood	Metedeconk	.08	.30		.68						.20									.65	.25	T					T.		.30	.04		.65	3.15
Lambertville	Delaware	.05	.30		.52						.09									.60	.07	.01					.01		.47			.43	2.55
Layton(near)	...do	*	.67		.55						.02									.40							.13		.09			.89	2.75
Little Falls[3]	Passaic		.76		.60	.08					.07									.15	.62						.17	.08		.25			2.78
Long Branch[2]‡	Coast.	.19	.14	.09	.73					T.	.20									.61	.05	T.					.04		50			.82	3.37
Long Valley[3]	Raritan		.75		.40	.20															.76							.15					2.26
Marlton	Delaware		.12	.18	.72						.19									.03	1.20		T							.27			2.71
Millville[2]‡	Maurice	.20			.35						.03	.05								.78	.37								.37			.66	2.81
Moorestown[3]	Delaware		.23		.72						.09									T.	1.03		T.				T.			.43			2.50
Morris Plains	Passaic	.05	.67		.59						.04				T.					.74		T.					.28		.11			.67	3.15
Newark[1]	Coast	.21	.27	.02	.47						.04									.87	.03						.12	T.	.49			.75	3.27
New Brunswick	Raritan	T.	.27		.58						.12									.91	.07	T.					.04	T.	.42	T.		.71	3.12
New Milford[2]‡	Hackensack	31	.24	.04	.71						.10									.72							.15		.22			.78	3.27
Newton	Delaware	.08	.31		.38	T.					.02									.81	T	T.	T.				.08	T.	.01			.63	2.32
N. Merchantville[2]‡	Delaware	.21	.24	.25	.48					T.	.12						T.			.67	.10	T.					T.		.43			.69	3.19
Orange[2]‡	Passaic		.85		.74						.09									.55	.31						.13		.33	T.		.60	3.60
Paterson[3]	Passaic	.49	.29	.05	.31						.05									.47	T.						.11		.11			1.05	2.93
Pemberton	Delaware	.04	.12		.52						.24									.89	.24	T					T.		.19	T.		.55	2.79
Phillipsburg	...do	.27	.38	.09	.35						.05	T					T.			.57	.05	T.					.07		T.			.69	2.52
Plainfield	Raritan	.16	.32		.75						.09	T.					T.			.79	.03	T					.05	T.	.35			.90	3.44
Plainsboro	Delaware	.20	.08	.95							.08									.82	.09	T							.63			.69	3.54
Pleasantville[3]	Coast		.28		.47	.08					.40										1.12	T.	T.				T.	.01	T.	.29			2.65
Rahway[3]‡	Rahway		.37	T.	1.01	01					.08									.04	.86						.01	.04		.48			2.90
Ridgefield[2]	Hackensack	.18	.34	T	.68						.10									.75	T.	T					.13	T.	.45			.81	3.44
Runyon	Coast		.23		.64						.12									.92									.67			.47	3.05
Sandy Hook[2]‡	Coast	.15	.10	.08	.48						.09									.65		T.					T.		.34			.55	2.44
Somerville(near)	Raritan	.07	.33		.52						.08									.77	.10						.09		.26			.58	2.80
Sussex	Hudson	.10	40		.60						.04	T.								1.00	.05						.20		.30			.90	3.59
Toms River	Coast		.38	.05	.45						.35									.66							.01	T.	.30	T		.83	3.03
Trenton[1]‡	Delaware	.16	.10	.18	.46					T.	.09									.65	.14	T.					T.		.41			.63	2.82
Trenton No. 2[2]	Delaware	.19	.06	.23	.58						.10									.76	.12	.02					.04		.57			.83	3.50
Tuckerton	Coast	.03	.18		.45	.02					.30									.31	.78	T.					.02		.20	.12		.64	3.05
Vineland[3]	Maurice		.29		.39						.18										1.43						.02			.45			2.76
Westfield[3]‡	Rahway		.53		.67	.09					.10									.08	.77						.06	.06		.38			2.74
Woodcliff Lake[2]‡	Hackensack	.47	.25	.02	.74						.10			T.						.77							.22		.19			1.02	3.78
Woodstown	Delaware				.58						.15									.68									.60			.60	2.61
New York, N. Y[1]‡	Coast	.18	.10	.07	.63						.09									.51	.03	T					.07	T.	.53			.96	3.17
Phila., Pa[1]‡	Delaware	.20	.14	.04	.68					T.	.08	T								.43	.06	.01					T.		.30			.40	2.34

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation
	Wind movement
Pleasantville[3]	Evaporation
	Wind movement
Runyon	Evaporation
	Wind movement

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for January, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	48	59	41	43	37	24	28	19	30	24	32	41	40	46	45	40	38	56	50	47	43	42	50	59	47	41	40	40	33	37	48	40.9
	Minimum	37	33	28	83	24	13	17	9	12	10	10	17	28	31	35	19	17	37	42	34	31	27	31	40	38	33	30	32	21	17	37	26.5
Barnegat City‡	Maximum	48	57	42	43	36	21	27	19	36	26	31	39	39	45	42	38	36	54	48	45	42	41	49	56	42	40	42	40	32	38	48	40.1
	Minimum	33	29	26	31	19	10	12	6	9	4	0	8	11	14	33	14	12	28	34	27	20	22	24	31	33	24	28	28	17	12	32	20.4
Belleplain	Maximum	45	60	44	34	35	34	23	23	25	26	29	34	32	46	46	42	35	58	51	51	40	36	41	53	54	42	41	41	34	30	53	39.9
	Minimum	24	41	19	30	24	9	3	2	−3	15	−22	−11	22	10	30	21	1	28	45	37	31	12	18	32	25	32	25	29	18	9	21	18.6
Belvidere	Maximum	46	55	36	35	35	25	17	14	21	21	21	31	35	40	42	36	32	43	43	40	40	40	41	53	42	38	39	37	35	29	50	35.9
	Minimum	31	33	32	25	24	2	−3	−6	−6	10	−11	2	24	7	28	20	3	21	33	26	29	20	35	34	30	30	30	31	16	10	22	18.8
Boonton§§	Maximum	57	57	37	34	34	17	18	14	19	20	22	34	30	42	36	23	31	47	45	42	37	39	46	54	40	31	39	36	29	28	48	35.0
	Minimum	20	30	26	26	29	7	4	−2	−3	2	−11	1	1	4	5	21	3	5	27	35	33	20	22	26	27	29	26	28	15	8	9	13.6
Bridgeton	Maximum	49	58	40	35	35	31	27	20	27	25	30	40	38	50	45	40	37	59	54	47	43	42	50	58	53	43	44	37	35	35	52	41.3
	Minimum	28	35	25	32	29	10	10	6	3	12	−5	4	25	18	31	24	8	27	41	36	28	20	24	31	31	32	28	32	20	14	23	22.0
Burlington	Maximum	37	37	35	34	34	35	22	18	23	21	28	37	35	49	44	42	36	56	49	46	38	36	48	55	50	40	38	40	34	31	52	38.1
	Minimum	25	27	26	26	28	9	9	4	3	14	4	5	20	13	32	24	9	24	40	35	33	21	24	30	28	31	31	31	19	13	21	21.3
Canoe Brook§§	Maximum	61	51	43	32	34	17	17	13	20	23	23	32	30	42	36	23	36	47	40	40	44	41	46	61	38	32	39	36	31	28	49	35.6
	Minimum	21	32	21	23	28	0	1	−2	−3	7	−14	−5	3	3	9	21	2	10	29	30	31	13	16	29	21	28	26	31	13	6	14	14.3
Cape May.*	Maximum	48	58	41	41	35	26	28	17	27	25	31	38	38	44	44	38	50	57	48	42	40	37	48	56	45	41	39	38	32	35	46	39.8
	Minimum	37	36	30	34	26	16	13	10	12	10	9	16	2	26	33	18	12	33	41	34	28	30	30	37	36	31	30	32	22	17	35	25.8
Charlotteburg	Maximum	36	57	36	34	33	30	18	15	21	19	22	32	32	41	40	31	34	50	50	47	39	37	45	53	54	40	38	38	32	30	40	36.3
	Minimum	25	31	21	26	25	3	0	−5	−12	10	−18	−3	21	0	23	20	2	24	37	36	29	11	25	36	25	26	26	30	11	4	10	16.1
Chatsworth	Maximum	42	57	40	39	34	28	25	18	25	25	28	40	35	50	46	40	36	58	57	53	40	39	48	56	52	42	39	39	33	32	51	40.2
	Minimum	25	39	23	30	26	8	15	4	−6	11	−20	−10	14	7	32	22	5	32	47	38	28	13	15	26	24	31	26	33	17	18	26	19.3
Clayton	Maximum	41	58	45	38	34	30	24	19	25	25	29	39	37	50	45	40	36	58	56	50	40	40	49	57	56	42	40	41	35	33	54	40.8
	Minimum	21	35	24	27	27	8	6	3	−2	5	−12	−3	25	12	36	23	6	24	46	36	31	17	22	33	28	30	28	30	17	10	21	19.8
Dover	Maximum	39	55	36	32	27	....	....	21	18	21	19	31	36	40	40	34	32	48	48	43	37	38	45	54	37	35	38	38	28	28	48	36.1b
	Minimum	31	29	23	27	....	−2	....	−2	−4	−3	−11	9	15	7	25	9	8	25	36	31	25	17	28	32	27	28	28	28	12	7	18	17.3b
Elizabeth	Maximum	41	58	42	38	39	30	19	19	21	28	25	34	31	45	41	39	34	45	51	48	44	44	47	58	47	50	42	39	34	28	50	39.1
	Minimum	28	31	23	30	28	13	13	6	12	13	14	21	16	30	34	15	12	32	42	43	39	39	41	33	39	32	12	33	27	25	25	25.8
Flemington	Maximum	34	56	35	34	35	27	15	17	21	20	24	32	31	41	41	36	33	47	47	42	38	42	49	58	52	37	40	39	35	30	48	36.6
	Minimum	30	33	24	28	27	3	−6	−4	−7	10	−15	0	27	4	28	21	4	20	33	35	32	20	26	35	28	30	29	30	17	11	17	18.4
Freehold	Maximum	43	53	38	35	33	28	20	14	22	22	27	37	33	48	44	38	36	55	57	50	48	38	46	54	53	39	38	36	33	32	52	38 8
	Minimum	28	36	26	28	28	6	7	2	6	10	−5	6	26	15	28	20	8	26	45	35	30	20	24	34	32	29	26	32	13	7	22	21.0
Hammonton	Maximum	46	59	40	37	35	34	21	20	26	26	29	45	43	55	44	37	39	63	66	65	49	42	51	62	63	53	41	51	33	34	59	44.1
	Minimum	26	35	23	30	28	9	10	4	0	14	−13	−1	25	15	32	24	7	25	46	36	28	17	24	32	28	31	29	31	18	8	17	20.6
Hightstown	Maximum	40	58	37	33	34	27	20	15	23	22	26	35	33	46	43	38	35	52	53	48	41	39	47	53	49	38	38	38	33	30	52	37.9
	Minimum	28	35	24	28	25	4	8	1	−1	12	−6	4	23	7	29	20	8	26	41	35	30	19	25	33	27	29	28	29	14	4	15	19.5
Indian Mills(near)	Maximum	42	57	41	35	33	26	24	16	24	23	29	39	35	50	45	39	37	60	60	50	41	40	49	57	46	42	39	39	33	33	53	39.9
	Minimum	25	37	22	30	26	9	5	4	−6	11	−16	−5	25	9	32	22	0	26	48	38	29	12	19	35	26	31	29	32	17	5	20	19.3
Jersey City	Maximum	40	56	40	39	37	32	20	17	23	25	27	32	34	47	45	39	32	50	50	47	42	42	48	56	47	41	43	42	31	27	49	38.7
	Minimum	34	32	29	30	31	10	13	4	8	9	5	19	27	24	29	18	14	31	46	40	33	28	33	40	40	32	31	29	17	11	23	24.8
Lakewood	Maximum	42	57	39	34	28	24	18	21	25	29	29	39	36	51	46	39	37	59	59	51	42	39	48	57	43	41	41	39	34	30	50	40.0
	Minimum	28	37	26	31	28	8	9	5	1	12	−12	−1	24	9	32	22	7	28	43	37	30	19	22	34	29	32	29	31	14	9	18	20.6
Lambertville	Maximum	38	57	39	34	34	28	18	17	23	22	27	34	35	44	42	38	36	53	41	43	41	40	49	55	45	38	39	39	35	29	52	37.6
	Minimum	30	34	24	30	27	6	1	−2	−5	11	−9	1	25	8	31	21	5	20	32	35	32	17	21	30	26	31	27	31	18	8	17	18.8
Layton(near)	Maximum	30	30	37	34	34	20	17	14	20	19	20	30	35	40	42	35	33	45	45	45	36	39	50	64	40	35	37	37	35	28	35	34.2
	Minimum	17	25	21	25	16	−9	−11	−17	−16	7	−21	−8	23	−2	23	14	−6	17	34	32	28	13	20	33	22	28	28	30	10	−2	9	10.9
Little Falls§§	Maximum	59	54	48	33	37	23	25	19	22	22	25	34	33	44	36	28	34	48	43	43	40	41	47	54	40	35	41	37	32	32	49	37.4
	Minimum	27	35	26	29	29	8	8	0	−1	12	−5	0	12	8	21	20	7	16	31	35	32	19	23	35	28	29	28	32	16	9	16	18.9
Long Branch*	Maximum	46	58	38	39	34	21	23	16	25	23	29	40	34	51	42	38	40	60	52	44	42	40	48	56	40	39	40	39	30	30	50	38.9
	Minimum	33	33	28	32	21	9	13	5	3	1	−1	8	21	13	31	17	9	32	40	32	27	22	28	35	34	32	28	28	19	15	22	21.6
Long Valley§§	Maximum	55	54	40	33	37	17	17	14	20	24	22	32	37	40	35	26	32	45	43	44	42	40	46	55	44	32	38	36	30	32	58	36.1
	Minimum	19	30	20	23	20	−6	−8	−5	−15	4	−17	−13	−3	0	3	18	1	6	26	35	29	16	20	30	24	29	27	28	13	7	10	12.0
Moorestown*	Maximum	51	59	38	35	33	20	22	14	20	20	27	32	32	48	48	32	35	56	53	47	39	40	42	55	40	36	38	36	32	26	52	37.4
	Minimum	29	33	29	29	20	9	10	3	4	13	−3	5	17	15	32	15	9	26	47	37	26	21	26	34	36	32	34	32	19	11	20	21.6
Newark*	Maximum	49	58	38	35	35	21	20	16	23	22	25	34	32	45	42	36	34	48	47	43	39	40	47	55	39	36	40	37	30	27	49	36.8
	Minimum	30	32	28	30	21	10	10	5	3	5	2	10	19	17	30	15	10	26	39	35	29	24	27	35	34	31	29	27	17	13	22	21.5
New Brunswick	Maximum	40	59	37	34	34	27	19	15	22	22	26	35	33	45	44	34	34	52	51	46	40	34	48	55	49	36	48	38	34	30	52	37.8
	Minimum	28	34	26	29	27	5	7	2	1	12	−2	5	25	8	28	21	7	25	36	37	31	22	25	32	30	29	28	31	16	9	19	20.4
Newton	Maximum	37	53	36	32	35	22	15	15	20	18	21	31	33	40	40	38	31	42	47	42	36	38	45	58	45	35	37	34	31	29	48	35.0
	Minimum	27	28	20	28	19	−4	6	−8	−5	12	−6	5	19	11	21	8	2	22	37	32	27	16	23	34	27	26	25	27	9	4	15	16 4
N. Merchantville*	Maximum	51	59	39	35	34	19	23	16	25	23	28	39	37	50	44	40	38	57	56	46	40	43	49	58	42	39	40	37	30	32	52	39.4
	Minimum	33	32	30	30	19	11	14	5	10	5	4	13	23	21	33	18	13	31	44	36	28	25	29	35	33	32	33	30	19	14	26	23.5
Paterson§§	Maximum	59	59	40	35	37	20	20	16	22	23	27	35	32	45	37	26	35	49	45	44	40	40	48	56	42	33	43	39	32	30	34	36.9
	Minimum	24	31	24	25	28	7	6	0	1	6	−3	3	12	10	12	20	8	9	30	37	31	20	21	28	31	29	28	29	15	9	11	17.5
Pemberton	Maximum	41	58	40	35	35	30	23	17	24	25	29	40	37	50	45	40	38	58	59	50	41	40	47	57	46	41	38	38	33	32	52	40.0
	Minimum	29	38	29	29	29	9	9	5	0	12	−9	−1	27	14	33	23	7	26	48	37	32	19	21	34	30	31	29	32	18	12	21	21.7
Phillipsburg	Maximum	45	55	44	34	34	19	17	15	20	30	22	31	32	40	40	38	35	44	45	44	40	40	56	39	54	38	39	37	32	28	48	36.6
	Minimum	31	30	23	21	18	5	−4	−2	−4	5	−12	5	17	10	21	14	10	21	32	34	25	20	24	28	32	29	30	29	17	11	18	17.4
Plainfield	Maximum	49	57	39	35	35	25	19	14	24	22	25	35	34	44	40	34	34	48	47	44	42	40	47	56	39	34	40	37	31	29	50	36.8
	Minimum	28	32	27	30	25	7	8	2	3	8	−2	7	25	14	30	18	9	25	36	36	31	21	26	31	31	31	30	31	17	11	20	20.9
Pleasantville§§	Maximum	52	61	43	44	35	24	28	18	27	26	33	43	40	47	44	33	41	61	52	40	43	43	51	59	49	41	41	40	34	43	52	41.5
	Minimum	22	34	18	23	24	9	3	6	−8	13	−23	−10	0	7	32	28	2	11	39	38	28	10	16	25	23	37	24	29	19	11	22	16.5
Ridgefield*	Maximum	51	57	39	34	35	14	19	14	22	22	26	34	31	45	39	34	35	49	48	44	39	40	47	55	40	35	42	37	30	30	50	36.7
	Minimum	31	31	24	29	14	9	8	2	5	1	1	12	16	14	27	12	10	26	39	32	25	21	28	33	33	30	28	23	15	10	21	19.7
Runyon	Maximum	50	58	46	35	31	28	16	16	20	19	24	35	33	44	44	34	32	48	50	50	46	36	44	53	44	34	34	36	32	31	50	37.2
	Minimum	12	46	24	28	28	5	−4	0	−12	10	−18	−10	22	0	28	20	−1	22	38	36	28	9	12	32	20	29	30	32	12	3	10	15.8
Sandy Hook‡	Maximum	49	54	37	35	35	19	22	15	25	23	27	35	33	45	41	37	34	49	53	42	40	38	45	50	40	36	39	38	30	29	49	36.9
	Minimum	33	32	30	33	19	13	13	9	10	10	8	19	25	25	31	16	15	30	38	34	30	28	31	37	35	32	31	26	20	17	26	24.4
Somerville(near)	Maximum	39	55	40	34	34	28	12	15	20	32	24	32	34	40	40	35	32	48	50	46	40	38	46	55	45	35	38	36	35	28	48	36.6
	Minimum	28	32	24	28	26	3	5	−4	0	10	−2	10	26	14	27	18	9	24	40	36	30	20	26	36	30	29	28	30	13	10	20	20.2
Sussex	Maximum	37	55	37	34	37	20	18	15	19	20	20	30	34	40	42	35	31	40	41	42	37	40	46	52	45	36	37	36	31	25	41	34.6
	Minimum	29	32	21	25	20	0	−2	−10	−11	8	−14	−3	19	6	24	16	−2	18	34	35	31	17	24	26	26	28	28	30	12	4	12	15.6
Trenton*	Maximum	51	59	37	36	34	18	21	13	24	23	28	36	33	47	43	39	35	54	54	44	39	39	49	55	40	37	40	37	30	29	51	37.9
	Minimum	33	32	28	29	18	9	13	4	7	6	2	12	24	20	31	16	13	29	40	34	29	25	29	35	34	31	32	30	18	13	25	22.6
Trenton No. 2*	Maximum	48	58	39	34	34	19	20	15	23	23	27	36	34	46	41	38	36	54	53	44	39	40	49	56	44	37	39	37	32	30	52	38.0
	Minimum	32	31	28	30	19	7	11	3	5	4	2	10	24	17	32	17	12	28	40	33	27	22	29	34	31	31	30	32	18	11	22	21.7
Tuckerton	Maximum	47	59	43	42	37	35	28	24	27	28	30	42	40	44	45	42	39	62	55	50	44	41	52	60	58	43	44	41	38	33	48	42.6
	Minimum	27	38	27	35	28	10	10	6	2	20	−12	5	22	11	33	28	8	28	38	40	30	18	28	36	30	35	30	35	20	10	30	22.8
New York, N. Y.*	Maximum	48	56	40	36	36	21	20	17	26	25	27	37	34	47	42	37	34	50	53	45	42	41	46	57	46	38	43	41	29	30	50	38.5
	Minimum	34	30	27	32	21	10	10	5	7	7	7	17	26	26	28	14	13	31	42	34	30	27	31	38	38	29	29	24	16	12	28	23.3
Philadelphia, Pa.*	Maximum	52	59	40	36	35	19	22	16	25	23	27	37	38	48	43	40	37	56	55	46	40	41	49	58	46	39	41	39	33	30	53	39.5
	Minimum	35	32	30	31	19	11	14	6	11	12	8	19	27	25	33	21	17	32	44	36	32	30	32	38	35	33	33	28	20	18	27	25.5

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

A. E. WHITE.
TRENTON, N. J.

VOL. XLVII. FEBRUARY, 1942. No. 2.

GENERAL SUMMARY

February temperature averaged slightly below normal for the State. The coldest weather was on the 3d and 4th, but only four stations recorded zero or lower. The first day was mild and the principal mild period for the month was from the 14th to 18th, during which monthly maxima in the fifties were registered generally. No monthly records were approached.

Average precipitation was about three-fourths of the normal amount. It was nearly all in the form of rain. The principal storm periods were the 7-8th and 16-17th. Rainfall was rather evenly distributed over the State. Very few stations had less than two or more than three inches. Snowfall was unusually light; smaller amounts for February have been recorded only twice within the past fifty years. Many stations in the southern counties had only a trace, while in the extreme north total depths up to about four inches were recorded. The absence of snow was in marked contrast to the heavy snowfalls of the last two preceding Februarys.

There was more than the usual amount of wind for February. Strong winds were recorded on the 1st, 2d, 5th. 6th, 7th, 8th, 13th, 16th, 17th, 20th, 21st, and 22d, reaching gale strength in coastal areas on the 7th, 16th, and 21st. Sunshine was about normal.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 29.7°, which was 0.9° below normal. The highest temperature was 63° at Hammonton on the 1st, and the lowest, −5°, at Runyon on the 3d. The highest monthly mean temperature was 33.1° at Hammonton, and the lowest, 24.6° at Newton.

The temperature departure from the normal for the year, 1942, to date, for the State is −1.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 2.69 inches, which was 0.86 inch below normal. The average total snowfall at 23 selected stations was 1.2 inches, which was 7.6 inches below normal. The greatest monthly precipitation was 4.62 inches at Chatham, and the least, 0.92 inches at Layton. The greatest amount of precipitation in any 24 consecutive hours was 1.97 inches at Egg Harbor City on the 7th. The average for the Highlands was 2.64 inches, for the Red Sandstone Plain 2.77 inches, for the Southern Interior 2.62 inches, and for the Sea Coast, 2.51 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, −1.26 inch; Red Sandstone Plain, −1.30 inch; Southern Interior, −1.51 inch; Sea Coast, −2.04 inch.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 6. 7. 8. 16. 17.
SLEET: 5. 7. 15. 16.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	29.90	30.46	4	29.15	7	18.2	54	ne.	7	66	49	53	64
Long Branch	29.86	30.45	4	29.15	7	18.4	57	nw.	21	62	50	59	58
Ridgefield	29.85	30.44	4	29.19	7		....	....	...	....	....	....	....
Trenton	29 88	30.44	4	29.14	7	12.3	34	ne.	7	61	48	57	55

COMPARATIVE DATA FOR FEBRUARY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	23.9	54	−2	3.93	......	......	......	......	......
1886	28.9	64	−10	5.42	......	......	......	......	......
1887	33.9	69	6	5.24	......	13	......	......	......
1888	30.6	60	−5	3.53	......	8	......	......	......
1889	27.7	53	−3	2.49	......	8	......	......	......
1890	39.9	76	14	4.17	......	10	......	......	......
1891	38.0	71	1	5.11	......	14	6	9	13
1892	33.6	58	7	1.63	......	7	7	9	13
1893	30.1	63	−1	5.73	......	11	7	8	13
1894	29.7	62	−11	4.42	......	11	9	8	11
1895	23.6	57	−12	1.28	11.6	5	13	9	6
1896	32.1	62	−12	**6.77**	6.7	12	9	9	11
1897	32.5	59	−6	3.61	8.0	8	8	10	10
1898	32.7	65	−15	3.48	2.0	9	12	7	9
1899	25.8	60	−17	6.06	**31.3**	15	10	6	12
1900	31.0	69	−6	5.30	9.6	10	9	9	10
1901	25.4	52	−6	**0.94**	4.9	4	15	9	4
1902	27.4	62	−7	6.24	16.5	9	12	6	10
1903	33.7	70	−16	4.87	6.7	10	12	8	8
1904	24.8	65	−16	2.45	5.6	8	13	8	8
1905	23.4	53	−18	2.53	7.3	7	14	7	7
1906	30.9	64	−12	2.58	5.4	7	14	7	7
1907	23.6	55	−22	2.67	20.8	8	14	7	7
1908	28.1	65	−17	4.79	11.9	9	10	10	9
1909	37.8	72	−2	4.96	2.3	12	6	10	12
1910	30.5	69	−11	3.08	6.2	10	10	9	9
1911	30.9	67	−12	2.78	11.2	11	8	7	13
1912	27.7	61	−14	2.49	2.8	5	11	12	6
1913	30.6	70	−5	2.49	3.5	7	16	6	6
1914	25.9	67	−12	2.85	15.1	9	12	7	9
1915	35.7	75	−7	5.37	3.5	8	11	6	11
1916	28.1	63	−18	4.21	11.4	11	10	6	13
1917	28.1	62	−19	1.95	8.3	11	10	9	9
1918	29.0	67	−23	2.08	2.6	7	12	8	8
1919	33.6	65	4	3.39	1.2	10	15	4	9
1920	27.9	54	−17	4.20	20.0	11	11	8	10
1921	34.0	71	−5	3.81	13.6	10	10	8	10
1922	33.6	73	−10	2.94	8.5	10	10	8	10
1923	26.1	56	−12	2.58	13.8	12	10	8	10
1924	28.9	62	−3	4.10	11.9	9	13	5	11
1925	37.3	72	−1	2.23	**0.7**	7	12	6	10
1926	29.4	57	−11	4.54	21.2	11	9	5	14
1927	36.1	66	4	3.12	5.1	11	10	8	10
1928	32.1	63	−6	4.05	4.4	10	12	7	10
1929	31.6	63	−9	4.06	9.2	8	13	7	8
1930	35.6	**80**	−10	2.80	4.2	9	13	7	8
1931	33.3	62	−9	2.18	3.0	8	14	5	9
1932	35.9	69	4	2.16	2.2	9	11	6	12
1933	33.5	67	−12	3.33	10.4	10	12	6	10
1934	**18.6**	54	−26	2.77	22.7	8	15	6	7
1935	30.1	64	−21	2.80	6.8	9	12	7	9
1936	24.4	66	−17	3.10	9.6	10	13	5	11
1937	34.0	65	4	2.30	3.8	8	11	7	10
1938	35.5	70	6	2.31	1.1	10	9	6	13
1939	36.3	74	1	5.55	2.0	11	11	6	11
1940	31.9	65	−1	3.03	12.2	11	12	6	11
1941	29.4	53	−5	2.47	8.8	6	16	5	7
1942	29.7	63	−5	2.69	1.2	6	14	6	8
Period	30.6	80	−31	3.55	8.8	9	11	7	10

Climatological Data for February, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	32.2	−1.4	58	17	10	3	2.22	−1.14	1.22	6–7	T	5	12	9	7	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	U. S. Coast Guard.
Belleplain	Cape May	49	48	30.1	−2.6	52	1	1	4	2.51	−0.82	1.46	7	0.5	4	19	2	7	w	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	2.98	...	1.38	16–17	0.1	7	7	8	13	nw.	Fred Fine.
Belvidere	Warren	289	51	29.1	+0.9	50	1	4	3	2.48	−1.08	1.38	7	T.	5	19	2	7	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	2.91	...	1.30	7	...	3	18	4	6	...	Samuel H. McCulley.
Boonton	Morris	280	§52	26.9	−1.1	51	17	3	3†	3.57	+0.27	1.17	17	...	7	11	1	16	nw.	John Kline.
Bridgeton	Cumberland	30	59	32.3	−1.7	56	17	9	3	2.05	−1.17	0.83	7	0.6	5	18	4	6	nw.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	2.44	...	1.19	7	T.	3	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§56	32.0	−1.2	54	1	9	3	2.61	−0.71	1.11	16–17	T.	5	17	5	6	nw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	27.5	−1.1	51	17	2	4	3.68	+0.83	1.24	17	...	8	15	2	11	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	54	32.4	−1.7	55	17	12	3	2.07	−1.22	1.46	6–7	T.	5	12	7	9	nw.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	26.2	−0.8	51	17	1	3	2.84	−0.85	1.18	7–8	4.5	7	11	5	12	nw.	Newark Water Dept
Chatham	Morris	185	38	...	...	...	...	...	...	4.62	+0.75	1.29	8	3.4	7	16	5	7	...	Paul Molitor. Sr.
Chatsworth	Burlington	90	1	31.4	...	58	17	7	3†	2.75	...	1.43	7	1.0	5	13	11	4	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	31.6	0.0	57	16	7	3†	1.45	−1.89	0.95	15–16	T.	4	9	6	13	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	1.98	−0.98	0.89	17	3.0	3	...	...	...	...	L. S. Depue.
Dayton	Middlesex	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Edward Visinski.
Dover	Morris	600	58	27.2	0.0	49	17	2	3	2.91	−0.86	1.48	7	3.0	6	9	12	7	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	3.23	−0.97	1.97	7	0	4	23	0	5	...	Chas. E. Hall.
Elizabeth	Union	34	63	...	...	53	17	...	...	3.49	−0.37	1.32	7	0.3	7	17	3	8	nw.	Union County Park Comm
Flemington	Hunterdon	140	§56	30.7	+0.4	51	17	6	3	2.67	−0.65	1.05	17	1.8	8	20	3	5	nw.	Hiram E. Deats
Freehold	Monmouth	194	§38	29.5	−0.6	57	17	5	3	2.98	−0.96	1.50	7	0.5	7	16	6	6	nw.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	33.1	−1.4	63	1	6	4	3.27	+0.03	1.65	7	0	5	16	7	5	w.	J. G. Wilson.
Hightstown	Mercer	110	49	29.6	−1.4	54	17	6	3	2.30	−1.09	1.01	7	0.4	6	15	6	7	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	30.7	−2.0	58	17	1	4	2.81	−0.86	1.33	7	1.8	6	11	11	6	w.	Edward Entwistle.
Jersey City	Hudson	81	44	31.0	−0.7	54	17	4	3	2.57	−1.36	1.34	16–17	1.0	9	12	6	10	nw.	Jersey Journal.
Lakewood	Ocean	54	38	31.0	−0.5	58	17	7	3†	3.35	−0.54	1.65	7	T.	6	11	8	9	nw.	R. W. Holman.
Lambertville	Hunterdon	75	55	30.9	+0.3	51	17	7	4	2.33	−1.05	0.95	16–17	0.6	7	17	5	6	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	41	25.8	+0.5	48	17	0	3	0.92	−2.07	0.37	16–17	3.9	6	7	6	15	nw.	A. M. Depue.
Little Falls	Passaic	157	39	28.6	−1.7	52	17	5	3	3.88	+0.08	1.30	1	1.6	7	14	6	8	nw	Passaic Valley Water Co
Long Branch	Monmouth	34	34	30.3	−1.0	56	17	8	3	2.49	−1.64	1.14	16–17	0.2	7	12	5	11	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	26.7	...	50	17	2	3	3.38	+0.56	1.06	17	0.9	7	17	6	5	w.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	2.46	...	1.00	7	1.9	6	11	11	6	nw.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	2.71	...	1.31	7	T.	5	18	5	5	...	Paul Ritchie.
Moorestown	Burlington	62	79	30.6	−1.2	57	17	9	3	2.78	−0.47	0.98	17	1.5	6	11	9	8	...	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	3.15	...	1.45	7	2.6	7	14	7	7	...	James C. Long.
Newark	Essex	10	43	29.4	−0.2	53	17	7	3	2.49	−0.96	1.14	16–17	0.6	6	9	8	11	nw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	29.8	−1.3	52	17	6	3	2.84	−0.53	1.20	7	T.	7	14	6	8	nw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	2.35	−0.72	1.00	7	...	5	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	24.6	−2.6	47	1†	−2	3	2.21	−0.94	1.14	7	4.5	6	9	5	14	nw.	Irving J. Kern.
N. Merchantville	Camden	63	8	31.2	...	56	17	10	3	2.16	...	1.00	7	1.8	6	10	11	7	nw.	A. Reuleaux Heintze.
Orange	Essex	140	2	...	...	...	...	...	...	2.84	...	1.30	17	...	6	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	27.4	−3.3	52	17	3	3	2.13	−1.85	0.77	7	0.7	7	15	1	12	nw.	J. W. Cook.
Pemberton	Burlington	55	13	31.9	−1.7	59	17	9	3†	2.34	−0.42	0.99	16–17	2.0	7	18	4	6	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	29.2	+0.3	50	17	6	3	1.93	−1.38	0.85	7	0.8	7	12	9	7	...	Town Engineer.
Plainfield	Union	120	54	30.2	+0.5	53	17	6	3	2.72	−1.03	1.23	7	1.9	8	8	9	11	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	2.40	...	1.10	16–17	0.3	5	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	31.2	−2.4	59	17	0	4	3.09	+0.19	1.25	7	...	6	19	4	5	nw.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	2.73	...	1.19	7	T.	4	...	...	...	...	Louis Fontenelli.
Ridgefield	Bergen	80	25	28.4	−1.4	52	17	5	3	2.56	−1.34	1.20	16–17	1.5	7	11	8	9	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	29.1	−1.7	48	1†	−5	3	2.83	−0.45	1.22	7	...	8	16	7	5	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	29.1	−3.0	47	17	8	3	2.77	−0.98	1.28	7	0.9	7	11	8	9	nw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	29.0	−0.9	52	17	4	3	2.63	−0.82	1.10	7	1.5	6	17	4	7	nw.	Richard H. Rogers.
Sussex	Sussex	450	47	26.4	−0.5	43	17†	0	3	3.20	+0.24	1.20	7	1.1	6	15	3	10	nw.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	3.11	−0.99	1.57	7	T.	6	...	...	...	...	Robt. F, Snyder.
Trenton	Mercer	56	70	30.2	−0.5	53	17	9	3	2.08	−1.19	0.93	16–17	0.4	5	11	8	9	nw.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	30.4	...	52	17	8	3	2.42	...	1.02	7†	0.8	6	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	32.7	−0.6	58	17	8	4	2.83	−0.66	1.22	7	0	7	14	4	10	nw.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	3.14	−0.14	1.16	7	1.8	6	...	...	...	...	Edward H. Ladd.
Westfield	Union	145	2	...	...	...	...	...	...	2.78	...	1.36	7–8	0.5	6	18	2	8	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	2.35	−0.79	0.92	7	...	4	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	2.10	...	1.00	7	...	3	19	5	4	nw.	Geo. S. Keen
New York, N. Y.	...	10	72	29.6	−1.7	53	17	5	3	2.94	−0.88	1.46	7–8	1.2	8	12	6	10	nw.	U. S. Weather Bureau.
Philadelphia, Pa.	...	26	72	31.7	−2.2	55	17	10	3	2.30	−1.02	1.14	6–7	2.0	6	9	11	8	nw.	U. S. Weather Bureau.
For the State	...	...	...	29.7	−0.9	63	1	−5	3	2.69	−0.86	1.97	7	1.2	6	14	6	8	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-20 42-925

Errata

ANNUAL, 1941:— In General Summary, 3d line above Comparative Data table, 1941 should be 1940. JANUARY, 1942:— Bridgeton: maximum temperature on 28th, 40°; mean maximum, 41.4°; monthly mean, 31.7°. Paterson: maximum temperature on 30th, 33°; mean maximum, 37.0°. Somerville(near): monthly minimum temperature, −4° on 8th.

Daily Precipitation for February, 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast		T.			.23	.01	1.21	T.								.69	.08		T.								T					2.22
Barnegat City[4]	Coast																																
Belleplain	Tuckahoe	.20				.20		1.46									T.	.65															2.51
Belmar	Coast	.03				.33	T.	1.17	.06							T	.29	1.09		.01				T.					T.				2.98
Belvidere	Delaware					.15		1.38								.04	.06	.85										T.					2.48
Berlin	Mullica					.33		1.30										1.28															2.91
Boonton[3]	Passaic	.97				.01	.17	.56	.68								T.	1.17		T.							T.		.01				3.57
Bridgeton	Delaware	.27				.34		.83									.20	.41															2.05
Brooklawn	....do					.34		1.19	T.								T.	.91		T													2.44
Burlington	Delaware					.40		.80	.30								.01	1.10		T													2.61
Canoe Brook[3]	Passaic	1.01				.02	.32	.45	.60								.03	1.24		.01								T.					3.68
Cape May[2]‡	Coast		T.			.06	.03	1.43									.40	.15	T.														2.07
Charlotteburg	Passaic	.44				.29	.03	1.11	.07							T.	.01	.89															2.84
Chatham[3]	..do	1.04					.31	.67	1.29								.08	1.20		.03									T.				4.62
Chatsworth	Delaware	.10				.24		1.43	.01									.97															2.75
Clayton	Delaware	.22				.28										.10	.85																1.45
Culvers Lake	...do					.25		.84								T	T.	.89											T.				1.98
Dayton	Raritan																																
Dover	Passaic					.25		1.48	.12							.05	1.00											.01					2.91
Egg Harbor City[2]	Mullica					.39		1.97									.73	.14															3.23
Elizabeth	Coast	.03				.32		1.32	.56							.01	.01	1.24		T.									T.				3.49
Flemington	Raritan	.26				.26	.03	.93	.09							.02	T.	1.05		.03									T.				2.67
Freehold	.do	.05				.18	.02	1.50	.11								.18	.74										.20					2.98
Hammonton	Mullica	.22				.32		1.65									.22	.86															3.27
Hightstown	Raritan	.05				.15	T.	1.01	.16							T.	.09	.84		T.									T.				2.30
Indian Mills	Mullica	.21				.22	T.	1.33	.05								.27	.73		T.								T.					2.81
Jersey City	Coast	.03				.26		.63	.25							.03	*	1.34		.02	T.			T			T.		.01				2.57
Lakewood	Metedeconk	.06				.28		1.65	.10								.06	1.20		T.									T.				3.35
Lambertville	Delaware	.14				.26	.01	.93	.04							T.	.02	.93		T.					T.				T.				2.33
Layton (near)	....do	.02				.26	T	.25	.02							T.	.04	.33											T.				0.92
Little Falls[3]	Passaic	1.30				.14	.20	.76	.47								.03	.98		T.							T.		T.				3.88
Long Branch[2]‡	Coast					.27		.96	.10							T.	.84	.30		.01				T.				.01	T.				2.49
Long Valley[3]	Raritan	.88				T.	.03	.68	.67								.01	1.06											.05				3.38
Marlton	Delaware					.20	.05	1.00	.28								T.	.92		.01													2.46
Millville[2]‡	Maurice					.50	.01	1.31									.80	.09															2.71
Moorestown[3]	Delaware	.71				.11	.32	.30	.36	T.								.98	T														2.78
Morris Plains	Passaic	.17	T.			.19		1.45	.05							.03	T.	1.30		.01							T.		T.				3.15
Newark[1]	Coast	T.				.28	T.	.87	.17							.03	.83	.31		T.							T.	T	T.				2.49
New Brunswick	Raritan	.02				.22	.02	1.20	.33							.01	T.	1.04		T									T				2.84
New Milford[2]‡	Hackensack					.43		1.00								T.	.71	.20		.01													2.35
Newton	Delaware					.26	T.	1.14	.18							.03	.09	.51		T.	T.							T.	T.				2.21
N. Merchantville[2]‡	Delaware					.32	T.	1.00	.03								.48	.31		.02								T.					2.16
Orange[2]‡	Passaic					.28	.04	.98	.20							.04		1.30															2.84
Paterson[3]	Passaic					.36	T.	.77	.05							.02	.69	.23		T.							T.	.01					2.13
Pemberton	Delaware	.02				.33	.03	.91	.06								.02	.97		T.													2.34
Phillipsburg	....do	T.	T.			.18	.04	.85	.03			T.				T.	.34	.45		.04								T.	T.				1.93
Plainfield	Raritan	T.				.30		1.23	.15							.03	.26	.72		.02	T.			T.			T.		.01				2.72
Plainsboro	Delaware					.23		.71	.36								.09	1.01															2.40
Pleasantville[3]	Coast	.80				.10	.12	1.25	.03									.79															3.09
Rahway[3]‡	Rahway					.23		1.19	.21							T.		1.10															2.73
Ridgefield[2]	Hackensack					.40	T.	.89	T.							.03	.24	.96		.01							T.	T.	.03				2.56
Runyon	Coast	.08				.27		1.22	.17							.02	.05	1.01											.01				2.83
Sandy Hook[2]‡	Coast					.18		1.28	.20							.12	.74	.24										.01					2.77
Somerville (near)	Raritan	.18				.15		1.10	.10							.04		1.06															2.63
Sussex	Hudson	.20				.40	.10	1.20	.30							T.	T.	1.00		T.				T.					T.				3.20
Toms River	Coast					.27	.03	1.57	.07								.12	1.05		T													3.11
Trenton[1]‡	Delaware					.20	T.	.92	.03							T.	.66	.27		T.								T.	T.				2.42
Trenton No. 2[2]	Delaware					.33	.01	1.02	.04							T.	.75	.27		T.								T	T				2.42
Tuckerton	Coast	.32				.28	.03	1.22	.06								.04	.88															2.83
Vineland[3]	Maurice	.69				.22	.10	1.16	.03									.94															3.14
Westfield[3]‡	Rahway					.06	.21	.78	.58								.05	1.10									T.		T.				2.78
Woodcliff Lake[2]‡	Hackensack					.47		.92									.75	.21															2.35
Woodstown	Delaware					.30		1.00										.80															2.10
New York, N. Y[1]‡	Coast	T				.31	T.	1.26	.25							.04	.78	.25		.02				T.		T.	T.	.03	T.				2.94
Phila., Pa[1]‡	Delaware					.29	.01	1.13	.01								.61	.25		T.							T.	T.	T.				2.30

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																															
	Wind movement																															
Pleasantville[3]	Evaporation																															
	Wind movement																															
Runyon	Evaporation																															
	Wind movement																															

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for February, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	46	32	27	36	43	40	45	39	37	33	41	36	37	41	41	46	58	43	37	28	32	40	41	33	43	43	42	48	....	....	....	39.6
	Minimum	31	14	10	14	34	33	38	23	18	22	30	21	18	24	31	35	38	30	20	13	17	22	24	21	25	29	28	29	....	....	....	24.7
Barnegat City‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Belleplain	Maximum	52	39	27	30	41	40	45	45	34	34	37	37	32	40	42	47	51	51	41	28	30	38	38	38	40	41	41	44	....	....	....	39.4
	Minimum	33	22	6	1	27	26	32	30	14	17	25	17	15	20	20	26	43	26	21	8	14	19	18	9	21	24	21	26	....	....	....	20.8
Belvidere	Maximum	50	30	23	30	35	39	37	36	30	34	33	29	33	39	35	39	49	45	35	26	30	42	40	42	41	40	40	47	....	....	....	36.8
	Minimum	30	14	4	9	29	32	33	20	14	15	23	17	16	21	23	29	36	28	20	9	12	22	26	16	23	23	26	28	....	....	....	21.4
Boonton§§	Maximum	37	22	21	33	35	38	39	34	30	32	35	28	30	37	32	41	51	42	29	24	24	38	38	41	38	38	38	44	....	....	....	34.6
	Minimum	28	17	3	3	11	33	33	33	15	15	18	18	16	16	24	24	25	29	24	9	8	11	23	16	15	22	22	27	....	....	....	19.2
Bridgeton	Maximum	49	34	26	37	39	51	45	38	35	33	41	36	38	42	51	49	56	45	36	29	31	40	43	40	42	45	44	47	....	....	....	40.8
	Minimum	32	23	9	10	29	29	36	29	16	21	26	20	18	22	23	28	45	28	21	23	17	21	20	17	23	29	22	28	....	....	....	23.8
Burlington	Maximum	54	38	25	34	37	38	37	40	43	33	40	38	36	40	35	49	53	50	45	27	32	40	42	44	45	45	45	45	....	....	....	40.4
	Minimum	34	14	9	13	29	30	35	29	18	20	30	22	18	24	23	27	43	30	23	17	10	13	22	19	25	21	32	28	....	....	....	23.5
Canoe Brook§§	Maximum	34	25	23	35	34	37	38	35	33	32	38	30	33	42	32	43	51	44	30	29	29	42	39	43	42	41	41	45	....	....	....	36.4
	Minimum	27	17	4	2	13	31	33	33	15	15	19	13	15	17	21	25	27	26	21	8	10	13	23	11	16	20	19	28	....	....	....	18.6
Cape May.*	Maximum	40	32	24	35	38	42	46	38	33	31	38	31	35	39	47	46	55	38	36	26	31	37	39	34	46	43	46	48	....	....	....	38.4
	Minimum	32	28	12	13	32	30	36	26	21	21	29	23	20	26	31	36	36	32	21	16	20	24	26	21	28	35	31	35	....	....	....	26.5
Charlotteburg	Maximum	47	32	18	30	33	36	38	37	25	31	32	30	28	35	34	36	51	45	40	27	22	34	36	40	40	37	36	42	....	....	....	34.7
	Minimum	30	13	1	5	21	21	30	24	18	10	18	13	11	20	19	20	34	25	16	4	9	17	20	15	20	22	18	25	....	....	....	17.8
Chatsworth	Maximum	52	37	26	35	33	40	45	40	33	35	40	39	36	40	40	50	58	48	40	27	32	40	40	39	41	41	41	46	....	....	....	39.8
	Minimum	35	23	7	7	28	29	35	32	16	27	27	17	16	23	27	23	44	24	23	12	20	20	21	14	21	26	23	28	....	....	....	23.1
Clayton	Maximum	52	41	26	35	38	46	43	41	35	34	41	39	40	44	51	57	47	41	33	31	39	41	40	43	41	41	49	50	....	....	....	41.4
	Minimum	32	21	7	7	27	27	32	28	14	19	26	15	20	25	26	42	27	19	10	14	19	19	14	21	27	22	26	28	....	....	....	21.9
Dover	Maximum	44	35	20	30	34	37	37	34	29	31	33	27	30	37	34	48	49	42	31	33	25	37	39	40	38	39	38	44	....	....	....	35.5
	Minimum	26	9	2	6	24	31	32	17	12	12	23	14	14	12	25	28	35	26	17	6	10	18	25	15	21	20	25	27	....	....	....	19.0
Elizabeth	Maximum	50	47	34	31	37	38	39	39	39	33	41	34	38	43	36	45	53	46	39	25	26	42	45	44	49	44	44	47	....	....	....	40.3
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	22	9	12	20	26	15	23	21	22	28	....	....	....	......
Flemington	Maximum	48	33	25	32	35	37	40	39	35	34	35	35	38	39	40	40	51	44	42	28	33	45	43	44	44	44	43	48	....	....	....	39.1
	Minimum	32	19	6	7	27	30	33	25	16	17	27	19	16	22	24	27	37	28	21	11	12	21	27	17	24	23	28	29	....	....	....	22.3
Freehold	Maximum	52	31	23	32	38	37	42	40	33	30	39	35	34	39	36	43	57	43	36	25	30	41	40	38	41	41	43	42	....	....	....	37.9
	Minimum	28	17	5	7	25	30	31	23	16	17	26	12	14	22	23	27	42	25	20	7	12	20	25	16	22	23	28	27	....	....	....	21.1
Hammonton	Maximum	63	42	27	38	42	48	47	49	37	37	42	39	43	43	47	56	61	59	48	31	34	42	43	46	44	46	46	51	....	....	....	44.7
	Minimum	25	24	8	6	28	27	35	28	15	20	22	19	11	21	26	25	43	25	22	10	15	20	20	15	21	22	22	27	....	....	....	21.5
Hightstown	Maximum	51	33	24	31	37	36	40	38	33	32	40	35	36	39	37	45	54	43	35	26	30	41	41	39	41	40	42	46	....	....	....	38.0
	Minimum	31	18	6	7	26	28	33	23	16	17	26	17	15	21	22	25	39	27	21	10	12	20	24	15	22	23	25	28	....	....	....	21.3
Indian Mills(near)	Maximum	52	33	24	35	38	40	43	38	34	36	40	33	37	41	42	50	58	44	35	26	31	40	42	38	42	42	41	47	....	....	....	39.4
	Minimum	33	22	8	1	29	28	35	26	16	18	29	18	17	21	24	26	44	24	22	11	16	21	20	10	19	27	23	28	....	....	....	22.0
Jersey City	Maximum	45	30	23	25	40	40	39	40	36	33	37	36	34	40	39	46	54	52	42	27	26	40	40	42	42	42	41	41	....	....	....	38.3
	Minimum	30	19	4	13	24	35	31	31	17	17	26	20	15	25	29	32	40	31	25	11	8	24	29	20	27	25	29	30	....	....	....	23.8
Lakewood	Maximum	51	34	25	32	39	38	45	41	35	34	40	36	36	42	37	44	58	46	39	28	34	44	42	38	44	42	43	47	....	....	....	39.8
	Minimum	33	20	7	7	27	30	35	25	17	19	28	18	16	22	21	27	33	27	23	11	13	21	25	16	22	25	26	29	....	....	....	22.2
Lambertville	Maximum	50	32	24	31	35	37	39	39	33	34	41	35	37	41	39	45	51	45	41	31	31	41	41	42	42	40	40	47	....	....	....	38.7
	Minimum	32	19	8	7	29	30	34	24	17	19	29	19	18	21	20	29	39	27	21	11	14	27	26	18	24	25	30	30	....	....	....	23.1
Layton(near)	Maximum	40	28	20	29	36	35	35	36	36	34	31	26	29	35	35	35	48	42	33	23	24	35	37	38	37	38	35	44	....	....	....	34.1
	Minimum	26	13	0	3	22	31	31	20	10	10	19	11	11	20	19	19	34	26	16	4	10	18	19	11	21	19	22	27	....	....	....	17.6
Little Falls§§	Maximum	37	26	24	35	37	37	41	35	35	32	36	30	32	39	33	40	52	44	30	26	27	38	38	42	41	40	40	45	....	....	....	36.1
	Minimum	31	18	5	8	17	33	33	33	15	15	19	16	16	20	26	23	32	29	22	9	12	16	24	19	23	23	26	29	....	....	....	21.1
Long Branch*	Maximum	47	29	25	32	40	38	44	40	34	33	37	31	34	40	38	47	56	42	34	25	30	41	41	38	42	40	42	47	....	....	....	38.1
	Minimum	29	12	8	9	32	34	35	21	18	21	28	18	17	22	25	31	38	29	16	11	13	21	23	16	25	25	25	29	....	....	....	22.5
Long Valley§§	Maximum	38	24	23	32	35	37	39	33	37	32	34	28	33	39	33	41	50	49	32	26	29	40	40	41	40	39	40	47	....	....	....	36.1
	Minimum	29	14	2	4	12	29	30	30	11	12	18	14	13	14	20	26	30	25	18	6	9	9	21	14	15	19	20	21	....	....	....	17.3
Moorestown*	Maximum	45	30	22	34	35	39	40	38	33	33	37	32	37	39	37	48	57	40	32	25	31	42	40	40	38	40	42	46	....	....	....	37.6
	Minimum	30	12	9	10	32	28	33	22	24	20	29	20	29	24	26	27	40	29	21	11	15	21	24	18	20	26	27	30	....	....	....	23.5
Newark*	Maximum	45	27	23	30	38	38	40	39	33	33	38	30	33	39	33	43	53	44	31	26	26	39	39	39	40	40	39	44	....	....	....	36.5
	Minimum	27	10	7	12	28	34	34	22	17	19	25	17	16	24	25	29	36	30	15	11	14	22	21	21	26	24	27	30	....	....	....	22.2
New Brunswick	Maximum	50	32	25	30	37	37	39	40	32	31	38	37	34	39	36	43	52	46	36	26	29	41	40	40	40	39	41	45	....	....	....	37.7
	Minimum	32	18	6	9	25	32	33	28	11	17	25	18	16	22	24	27	35	28	22	10	12	21	26	15	23	22	25	28	....	....	....	21.8
Newton	Maximum	47	26	18	28	34	34	34	34	23	31	29	27	27	29	33	38	47	42	32	28	22	35	35	39	36	36	35	43	....	....	....	32.8
	Minimum	24	8	−2	4	22	28	29	15	8	9	15	11	10	18	22	22	33	23	15	2	8	16	21	13	20	17	23	26	....	....	....	16.4
N. Merchantville*	Maximum	42	30	26	33	37	37	39	37	35	34	41	32	37	42	38	52	56	42	33	28	32	40	43	40	42	42	41	48	....	....	....	38.5
	Minimum	30	12	10	13	30	32	35	21	17	21	31	20	19	26	29	29	36	30	16	13	17	22	25	21	25	28	30	30	....	....	....	23.9
Paterson§§	Maximum	37	25	24	35	38	29	42	36	34	33	36	29	32	39	34	43	52	46	31	26	26	38	39	44	41	40	40	35	....	....	....	36.2
	Minimum	28	17	3	5	12	31	32	32	14	14	17	18	15	15	23	24	29	28	24	8	8	10	22	18	18	21	21	26	....	....	....	18.7
Pemberton	Maximum	52	35	27	36	38	38	41	39	35	34	42	39	37	41	40	50	59	47	40	28	33	42	41	41	43	42	42	48	....	....	....	40.4
	Minimum	35	23	9	9	28	29	34	26	18	20	28	19	17	23	23	27	44	27	22	12	15	22	23	18	22	26	27	29	....	....	....	23.4
Phillipsburg	Maximum	48	49	23	31	35	39	37	39	29	35	35	30	34	39	39	43	50	41	32	26	30	40	40	40	40	39	40	44	....	....	....	37.4
	Minimum	28	10	6	11	28	31	34	18	15	15	25	17	16	20	23	29	37	29	17	10	12	20	22	17	23	22	27	29	....	....	....	21.1
Plainfield	Maximum	47	30	23	30	37	39	40	40	33	33	38	31	34	41	34	40	53	44	33	28	29	40	41	43	42	41	41	47	....	....	....	37.6
	Minimum	30	13	6	9	27	33	34	28	16	17	26	20	16	24	24	29	39	28	22	10	13	19	27	19	25	24	28	29	....	....	....	22.7
Pleasantville§§	Maximum	42	35	23	39	41	44	47	40	37	36	42	37	38	43	45	53	59	43	32	31	34	42	44	38	45	45	45	50	....	....	....	41.1
	Minimum	32	24	8	0	28	25	38	31	15	19	25	18	15	20	21	33	41	24	24	8	14	19	17	12	22	22	19	25	....	....	....	21.4
Ridgefield*	Maximum	37	24	23	35	38	35	40	38	35	32	36	28	32	39	32	43	52	45	32	26	27	40	39	41	41	41	40	45	....	....	....	36.3
	Minimum	24	7	5	9	27	33	32	19	15	15	21	17	16	24	24	25	40	29	15	10	13	20	21	18	22	23	26	28	....	....	....	20.6
Runyon	Maximum	48	32	26	31	36	38	40	39	40	37	38	39	37	41	39	48	44	46	40	28	28	40	42	38	37	38	44	46	....	....	....	38.6
	Minimum	32	14	−5	−2	19	23	36	30	15	15	25	15	15	13	30	23	38	26	18	9	11	20	25	11	19	22	20	32	....	....	....	19.6
Sandy Hook‡	Maximum	38	28	22	34	38	37	41	38	32	31	35	29	32	38	33	45	47	39	32	26	28	38	38	36	40	37	39	44	....	....	....	35.5
	Minimum	28	10	10	14	28	33	34	21	18	18	26	15	15	25	28	29	35	31	15	12	15	22	22	21	27	26	29	30	....	....	....	22.7
Somerville(near)	Maximum	48	31	22	30	35	37	38	37	32	34	38	34	33	40	38	40	52	44	37	27	30	40	39	55	40	40	35	45	....	....	....	37.5
	Minimum	28	12	4	10	25	30	33	22	14	15	24	10	14	20	24	25	37	24	20	8	10	20	25	21	22	22	25	27	....	....	....	20.4
Sussex	Maximum	41	30	19	29	36	35	34	36	29	32	32	37	29	36	35	39	43	42	39	23	20	35	35	40	37	36	35	43	....	....	....	34.2
	Minimum	29	12	0	5	24	31	31	20	11	10	17	13	13	22	20	20	35	27	18	5	11	18	25	14	21	20	24	28	....	....	....	18.7
Trenton*	Maximum	42	30	23	32	39	37	40	37	31	33	40	29	36	40	35	50	53	41	34	26	30	40	40	39	40	39	40	44	....	....	....	37.1
	Minimum	29	11	9	13	30	33	34	19	18	18	28	18	18	25	30	30	36	30	16	12	15	23	22	20	25	27	30	30	....	....	....	23.2
Trenton No. 2*	Maximum	42	30	25	32	37	37	39	37	33	33	41	32	37	40	36	48	52	42	33	27	32	42	42	41	42	41	44	47	....	....	....	38.0
	Minimum	29	11	8	12	29	31	34	19	17	20	30	19	17	24	26	29	38	28	21	12	14	22	22	19	25	26	28	30	....	....	....	22.9
Tuckerton	Maximum	50	37	30	35	42	42	45	43	37	37	44	44	43	43	42	46	58	50	40	30	32	43	44	44	45	45	45	50	....	....	....	42.4
	Minimum	35	26	9	8	28	29	35	32	12	20	28	18	12	24	22	32	40	27	25	10	15	20	20	15	22	27	25	28	....	....	....	23.0
New York, N. Y.*	Maximum	44	27	23	31	40	41	43	38	35	34	36	28	32	37	36	45	53	44	35	27	26	38	40	39	42	41	40	42	....	....	....	37.0
	Minimum	27	8	5	11	29	33	33	20	16	18	23	17	17	24	28	36	36	30	16	10	13	21	20	21	25	24	29	29	....	....	....	22.1
Philadelphia, Pa.*	Maximum	42	30	28	32	39	40	40	39	36	33	41	34	37	41	39	52	55	44	34	27	31	38	42	40	42	42	40	47	....	....	....	38.8
	Minimum	30	13	10	17	31	35	35	21	17	23	31	20	19	26	30	32	37	32	15	13	17	22	26	22	25	29	30	30	....	....	....	24.6

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * **Midnight to Midnight.** ‡ **1:30 a. m. to 1:30 a. m.** **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.**

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

Vol. XLVII. March, 1942. No. 3.

GENERAL SUMMARY.

The average March temperature was the highest since 1938. During the first three weeks, it was almost continuously warmer than normal while the last decade was comparatively cool, averaging slightly below normal. The warmest day was the 8th when temperatures of near 70° were reached at most stations. Lowest readings were recorded on the 11th and 13th. Freezing temperature was recorded on 28 days at Long Valley, while freezing was not reached during the month at Cape May. This was the first month this year with temperature averaging above normal.

March was also the first month this year with more than normal precipitation. The average of 5.73 inches for the State was 52 percent above normal. Rainfall was slightly greatest in the Red Sanstone Plain area, but was well-distributed over the State. The principal storms were on the 3d, 9th, and 21st-22d, but the various stations showed an average of 12 rainy days. Snowfall was very light; in fact, the seasonal snowfall for 1941-42 has been one of the least of record.

Winds attained gale force on the 3d and 9th generally and in coastal areas, also on the 2d, 21st, 22d, 28th and 29th. A maximum velocity of 59 miles was reached at Atlantic City on the 29th, and one of 60 miles at Long Branch on the 3d.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 42.2°, which was 3.0° above normal. The highest temperature was 72° at Bridgeton on the 8th, also on the 17th and 18th at Hammonton, and the lowest, 16°, at Runyon on the 13th. The highest monthly mean temperature was 47.3° at Hammonton, and the lowest, 38.6° at Layton.

The temperature departure from the normal for the year, 1942, to date, for the State is 0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 60 stations, was 5.73 inches, which was 1 96 inches above normal. The average total snowfall at 23 selected stations was 1.7 inches, which was 2.8 inches below normal. The greatest monthly precipitation was 7.27 inches at Sussex, and the least, 3.75 inches at Newton. The greatest amount of precipitation in any 24 consecutive hours was 2.21 inches at Sussex on the 3d. The average for the Highlands was 5.52 inches, for the Red Sandstone Plain 5.93 inches, for the Southern Interior 5.65 inches, and for the Sea Coast, 5.69 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +0.85 inch; Red Sandstone Plain, +0.81 inch; Southern Interior, +0.29 inch; Sea Coast, −0.25 inch.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 2, 9, 15, 17, 18, 21.
Thunderstorms: 16, 17, 21, 27, 29, 31.
Sleet: 2, 3, 14, 19, 22, 29, 30, 31.
Hail: 2, 3, 8, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a m	1:30 p. m.	7:30 p m.	
Atlantic City	29.90	30.33	27	28.83	3	18.9	59	ne.	29	76	64	67	56
Long Branch	29.88	30.36	27	28.84	3	15.6	60	ne.	3	74	58	64	50
Ridgefield	29.87	30.33	27	28.87	7		....	..	....	....	...	....	....
Trenton	29 88	30.34	27	28.78	3	10.8	38	s.	9	75	56	62	48

COMPARATIVE DATA FOR MARCH.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	30.4	66	2	1.10	....	......	......	......	......
1886	37.7	70	9	3.70	....	......	......	......	......
1887	37.7	61	8	3.34	....	10	......	......	......
1888	32.8	72	0	5.71	....	11	......	......	......
1889	40.5	67	19	3.79	....	8	......	......	......
1890	37.6	78	0	6.08	....	14	......	......	......
1891	37.2	68	4	5.06	....	12	8	10	13
1892	34.4	64	6	4.75	....	9	10	12	9
1893	37.0	68	6	3.73	....	10	10	10	11
1894	44.2	83	12	1.77	....	10	12	11	8
1895	36.7	72	7	3.16	4.0	10	12	8	11
1896	34.0	69	−8	5.34	13.2	11	13	8	10
1897	40.0	77	18	2.78	1.6	10	11	9	11
1898	45.1	77	16	3.33	3.0	12	9	10	12
1899	38.6	73	13	6.54	5.4	13	7	10	14
1900	35.6	67	−9	3.51	7.0	10	12	12	7
1901	39.2	75	−8	4.64	0.9	12	9	10	12
1902	43.9	77	0	4.34	5.7	11	12	10	9
1903	47.6	79	13	5.13	*T.*	10	11	8	12
1904	37.2	72	1	3.43	4.5	13	11	8	12
1905	39.8	87	−7	3.95	2.6	12	14	8	9
1906	34.4	62	−15	5.09	11.2	11	10	9	12
1907	41.2	88	−11	3.04	11.5	10	13	10	8
1908	41.8	89	7	2.80	3.5	12	11	9	11
1909	38.3	74	−6	3.48	4.6	13	12	10	9
1910	44.5	88	10	1.22	1.1	6	14	10	7
1911	37.6	76	3	3.38	5.3	11	10	12	9
1912	36.9	72	3	7.61	6.6	14	9	11	11
1913	44.8	79	1	5.15	0.1	12	10	9	12
1914	35.4	75	−6	3.65	20.5	10	13	10	8
1915	36.1	63	11	1.13	7.4	3	20	7	4
1916	31.7	71	−7	3.48	19.3	12	13	8	10
1917	38.2	72	0	4.65	9.8	13	12	8	11
1918	41.8	82	8	2.06	0.7	9	17	7	7
1919	43.2	77	12	5.32	1.6	13	14	7	10
1920	39.4	79	−8	3.80	5.6	10	17	5	9
1921	**49.1**	**92**	11	3.03	*T.*	11	14	10	7
1922	41.1	82	2	4.52	3.7	13	12	6	13
1923	38.0	81	−3	4.09	6.3	10	17	6	8
1924	38.8	76	5	2.51	2.7	8	16	6	9
1925	43.3	80	1	3.47	0.3	9	16	6	9
1926	35.1	79	0	2.25	0.4	7	16	9	6
1927	41.9	81	9	1.46	0.3	10	14	7	10
1928	38.3	82	6	2.84	4.9	10	14	8	9
1929	44.9	81	5	3.07	0.7	11	15	6	10
1930	40.0	78	9	2.54	0.1	7	16	7	8
1931	39.2	64	12	4.14	2.0	10	8	9	14
1932	36.6	69	3	5.49	2.5	9	14	6	11
1933	38.2	70	8	4.94	1.7	13	10	7	14
1934	36.5	77	−7	3.31	9.6	12	13	7	11
1935	43.0	81	−6	2.46	1.5	10	13	5	13
1936	45.3	78	−1	5.28	1.4	13	10	9	12
1937	35.8	66	7	2.75	4.3	10	14	6	11
1938	43.2	85	−1	2.15	1.6	11	12	7	12
1939	40.1	83	2	4.83	2.0	13	12	7	12
1940	34.7	72	8	5.14	3.3	12	10	9	12
1941	34.5	63	3	2.78	14.6	8	16	6	9
1942	42.2	72	16	5.73	1.7	12	10	8	13
Period	39.2	92	−15	3.77	4.5	12	13	8	10

Climatological Data for March, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	43.4	+4.8	61	18	32	24	5.22	+1.62	1.10	29-30	T.	15	10	5	16	w.	U. S. Weather Bureau
Barnegat City	Ocean	36	§22																	U. S. Coast Guard.
Belleplain	Cape May	49	48					19	2†	4.88	+1.12	1.12	3	0	10	13	6	12	w.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19								6.17		1.03	3	1.5	12	2	10	19	nw.	Fred Fine.
Belvidere	Warren	289	51	41.8	+3.3	68	8	25	11	4.73	+1.04	1.10	3	0.5	12	15	3	13		Miss C. S. Hixson.
Berlin	Camden	70								5.95		1.80	14		7	17	7	7		Samuel H. McCulley.
Boonton	Morris	280	§52	40.2	+4.3	66	8	23	14	6.26	+2.62	1.97	3		12	15	1	15	ne.	John Kline.
Bridgeton	Cumberland	30	59	45.0	+2.6	72	8	27	2	5.20	+1.36	1.18	3	T.	10	16	6	9	nw.	Bennett K. Matlack
Brooklawn	Camden	30								4.64		1.32	3	2.4	10					C. D. Scott.
Burlington	Burlington	12	§56	42.4	+0.1	70	8	23	10†	5.12	+1.41	0.99	21-22	1.5	11	16	7	8	w.	Public Service E. & G. Co.
Canoe Brook ‡‡	Essex	180	12	39.4	+2.4	65	8	20	11†	6.48	+1.92	1.72	3		14	11	7	13	nw.	N. J. Water Policy Comm.
Cape May	Cape May	17	54	43.2	+2.4	62	17	33	2†	5.47	+1.68	1.00	29	T.	15	3	13	15	w.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	40.0	+3.7	66	8†	21	5†	5.89	+1.90	1.80	3	3.0	9	9	5	17	e.	Newark Water Dept
Chatham	Morris	185	38							5.65	+1.61	1.47	3	4.0	14	8	15	8		Paul Molitor. Sr.
Chatsworth	Burlington	90	1	44.0^{a}		71	8†	20	13	6.71		1.38	3	T.	9	7	13	11	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	29							6.03	+2.51	1.58	3	T.	9	6	4	21	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41							4.96	+1.64	1.18	3	4.0	11					L. S. Depue.
Dayton	Middlesex	90																		Edward Visinski.
Dover	Morris	600	58	40.4^{f}	+4.4	65	8†	25	13	6.12	+2.10	1.81	3	3.0	10	6	11	14		William C. Harris
Egg Harbor City	Atlantic	63	20							6.92	+2.52	1.36	9	T.	13	15	6	10		Chas. E. Hall.
Elizabeth	Union	34	63	42.6	+3.2	70	8	23	13	6.57	+2.61	2.12	3	1.6	12	13	4	14	w.	Union County Park Comn
Flemington	Hunterdon	140	§56	43.2	+2.6	68	8	24	13	5.10	+1.44	1.14	22	1.5	13	13	8	10	nw.	Hiram E. Deats
Freehold	Monmouth	194	§38	42.4	+3.4	69	8	25	13	6.90	+2.42	1.50	3	4.3	14	16	9	6	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	47.3	+5.8	72	17†	25	13	6.39	+2.47	1.40	3	T.	13	15	9	7	w	J. G. Wilson.
Hightstown	Mercer	110	49	42.2	+1.6	69	8	24	13	5.09	+1.31	1.09	3	4.8	11	12	8	11	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	43.0	+1.9	71	17	20	13	5.71	+1.63	1.25	3	T.	13	9	11	11	w.	Edward Entwistle.
Jersey City	Hudson	81	44	44.2	+4.3	70	8	32	30	6.46	+2.44	1.84	3	1.8	13	7	9	15	nw.	Jersey Journal.
Lakewood	Ocean	54	38	43.2	+2.9	71	8	24	13	6.06	+1.89	1.04	3	3.0	11	7	8	16	nw.	R. W. Holman.
Lambertville	Hunterdon	75	55	42.6	+3.4	68	8	23	13	5.29	+1.50	1.22	3	2.0	12	12	11	8	w.	George Bailey.
Layton(near)‡‡	Sussex	480	41	38.6	+2.8	65	8	18	11†	4.26	+0.97	0.95	9	4.0	13	6	4	21	w.	A. M. Depue.
Little Falls	Passaic	157	39	41.8	+2.9	69	8	27	11†	5.48	+1.71	1.76	3	1.5	12	9	10	12	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	42.2	+2.9	68	8	28	13	6.85	+2.68	1.09	29-30	1.2	14	8	8	15	s.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	39.0		65	8	22	5†	5.34	+1.47	1.38	22	1.0	12	11	9	11	w.	Arthur Barkman.
Marlton	Burlington	90								5.13		1.18	3	1.5	10	11	8	12	sw.	David Griscom.
Millville	Cumberland	60	1							5.71		1.44	2-3		14	9	10	12		Paul Ritchie.
Moorestown	Burlington	62	79	43.2	+3.3	70	17	27	13†	6.02	+2.34	1.31	14-15	0.5	11	9	8	14	n.	Japanese Beetle Laboratory
Morris Plains	Morris	500								6.57		1.78	22	3.0	13	14	7	10		James C. Long.
Newark	Essex	10	43	42.5	+3.1	69	8	31	5†	5.54	+1.79	1.40	2-3	3.1	15	6	11	14	e.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	42.0	+2.8	69	8	25	13	5.92	+2.36	1.42	3	1.7	12	9	10	12	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24							6.23	+2.56	1.72	21		14					Hackensack Water Co
Newton	Sussex	769	59	39.1	+3.1	66	9	21	13	3.75	+0.36	0.86	3	5.0	14	8	10	13	nw.	Irving J. Kern.
N. Merchantville	Camden	63	8	44.6		71	17	30	13	5.10		0.94	29-30	1.1	14	7	10	14	nw.	A. Reuleaux Heintze.
Orange	Essex	140	2							6.41		1.94	22	1.5	9					H. J. Finley.
Paterson	Passaic	95	71	41.0	+3.9	69	7	28	10†	4.87	+0.92	1.34	21-22	1.0	13	11	7	13	w	J. W. Cook.
Pemberton	Burlington	55	13	44.8	+3.3	70	8	27	5†	5.28	+1.80	1.15	21-22	1.0	13	11	9	11	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	41.2	+2.7	65	8	25	11†	4.60	+1.26	1.20	2-3	1.2	10	10	8	13		Town Engineer.
Plainfield	Union	120	54	42.9	+3.8	69	8	28	11†	6.31	+2.35	1.97	3	2.5	13	5	11	15	nw.	S. K. Pearson.
Plainsboro	Middlesex	110								6.09		1.38	17	1.9	9					Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	42.0	+1.6	70	17	18	13	5.58	+2.17	1.18	22		13	14	5	12	w.	N. J. Water Policy Comm.
Rahway	Union	20	2							5.83		1.78	3	1.0	7	7	13	11	nw.	Louis Fontenelli.
Ridgefield	Bergen	80	25	42.0	+3.5	71	8	27	13	6.02	+1.95	1.53	21-22	3.2	12	6	12	13	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	40.2	+0.8	69	8	16	13	6.13	+2.81	1.35	3		11	14	9	8	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	42.0	+2.7	62	8	33	29	4.75	+0.71	1.02	2-3	T	12	9	8	14	w.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	41.5	+2.7	69	8	25	13	6.18	+2.51	1.53	21-22	3.0	13	9	12	10	nw.	Richard H. Rogers.
Sussex	Sussex	450	47	39.9	+3.1	66	8	22	11	7.27	+4.12	2.21	3	4.2	13	12	8	11	w.	Marshall Hunt.
Toms River	Ocean	33	21							5.36	+0.96	1.25	2	0.8	9					Robt. F, Snyder.
Trenton	Mercer	56	70	43.3	+4.2	68	8	32	11	5.47	+2.07	1.01	2-3	1.7	13	8	10	13	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	43.4		70	8	29	13	6.26		1.36	21-22	2.2	12					Edward H. Ristow.
Tuckerton	Ocean	23	49	44.0	+2.8	65	8†	28	5†	5.70	+1.57	1.12	3	T.	12	16	7	8	nw.	John H. Brown.
Vineland	Cumberland	110	62																	Edward H. Ladd.
Westfield	Union	145	2							6.60		1.92	3	1.5	12	10	12	9	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24							6.71	+3.16	2.01	3		13					Hackensack Water Co.
Woodstown	Salem	16	8							4.77		1.40	3		8	17	9	5	w.	Geo. S. Keen
New York, N. Y.		10	72	43.0	+5.3	65	8	31	30	6.76	+3.12	2.34	2-3	0.9	13	6	9	16	nw.	U. S. Weather Bureau.
Philadelphia, Pa		26	72	44.8	+4.0	70	17	33	30	4.84	+1.45	1.17	2-3	2.5	13	8	10	13	s.	U. S Weather Bureau.
For the State				42.2	+3.0	72	8†	16	13	5.73	+1.96	2.21	3	1.7	12	10	8	13	w.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period: for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-4-20-42-925

Errata

FEBRUARY, 1942: Freehold, number of days with .01 or more should be 8. Morris Plains, total precipitation should be 3.20 inches. Paterson, mean minimum should be 19.0°; monthly mean should be 27.6°.

Daily Precipitation for March, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	T.	.35	.77	T.	.01	.52		.06	.58			T.		.29		.32	.07	.12	T.		.71	.15	T.					T.	1.06	.04	.17	5.22
Barnegat City[4]	Coast																																
Belleplain	Tuckahoe			1.12	T.		.55			.84					.30		.30		.04			.52	T.							1.03	.05	.13	4.88
Belmar	Coast			1.03	.02		.44			1.01	T.		T.		.59		.11	.80	T	T.		.50	.54	T.						.60	.28	.25	6.17
Belvidere	Delaware			1.10			.21			.63			.03		.65		.25	.46			.05	.20	.65		T.					.20		.30	4.73
Berlin	Mullica			1.29			.41								1.80		.20					1.40								.55		.30	5.95
Boonton[3]	Passaic			1.97	.22		.02	.07		.99	T.		.01		.16	.33		.64	.01	T.			1.57	T.	T.						.27		6.26
Bridgeton	Delaware		T.	1.18			.43			.88					.57			.32	T.			.17	.49						T.	.72	.17	.27	5.20
Brooklawn	...do			1.32			.36			.49					.66		T.	.45				.13	.52							.24	.26	.21	4.64
Burlington	Delaware			.90			.32			.90					.83		.01	.60				.26	.73							.18	.18	.21	5.12
Canoe Brook[3]	Passaic			1.72	.14		.05	.12		.84	.01		.03		.19	.56		.65	.02	T			1.50	.03							.62		6.48
Cape May[2]‡	Coast		.76	.71		.07	.53		.06	.69		T.	T.		.30		.10	T.	.15	T.		.74	.20	T.					.03	1.00	.01	.12	5.47
Charlotteburg	Passaic			1.80			.24			.81			T.		.63			.75				*	1.30	T.							.34	.02	5.89
Chatham[3]	..do			1.47	.16		.07	.16		.49	.14		.06		.19	.57		.63	.01	T.			1.26	.05							.39		5.65
Chatsworth	Delaware			1.38			.51			1.22					.52			.72				.65	.33							1.10		.28	6.71
Clayton	Delaware			1.58			.52			1.14					.84							.15	.73							.70	.17	.20	6.03
Culvers Lake	...do			1.18				.18		.87					.54		.09	.72	.04			.36	.70								.10	.18	4.96
Dayton	Raritan																																
Dover	Passaic			1.81			.18			.91			.02		.55		.48					1.29	.05	T.						.25	T.	.58	6.12
Egg Harbor City[2]	Mullica		.26	1.33			.56			1.36					.37		.34	.03	.05			1 04	.29							1.00	.05	.24	6.92
Elizabeth	Coast			2.12	.05		.31			.12			T.		.92		.02	.65		T.		.60	1.05	T.						.06	.50	.17	6.57
Flemington	Raritan			.87	.03		.22			.58			.04		.68	.02	T.	.79				.47	1 14	T.						.05	.09	.12	5.10
Freehold	.do			1.50	.04		.42			1.02					.52	.02	.03	.82	.01	T.		.32	.74							.86	.35	.25	6.90
Hammonton	Mullica			1.40	.04		.50			1.06	T.				.67		.05	.52	.06			.34	.75	T.						.62	.13	.25	6.39
Hightstown	Raritan			1.09	T.		.34			.59			T.		.55	T.	.12	.77		T.		.24	.59	T.						.47	.18	.15	5.09
Indian Mills	Mullica		T.	1.25	.05		.47			.95			T.		.75		.27	.26	.01	T.		.32	.60	T.						.52	.10	.16	5.71
Jersey City	Coast			1.84	.02		.22			.92	T		.02		.75	T.	.25	.35	T.	T.		.70	.69	T.						.18	.48	.04	6.46
Lakewood	Metedeconk			1.04	.05		.48			.90			T.		.50		T	.90	T.	T.		.30	.62	T.						.65	.40	.22	6.06
Lambertville	Delaware			1.22	.03		.23			.63			.02		.70		.09	.74				.81	T.							.37	.27	.18	5.29
Layton (near)	...do			.84			.12			.95			.03		.57	.02	.26	.41	.09			.17	.53	T.						T.	.19	.08	4.26
Little Falls[3]	Passaic			1.76	.05		.08	.06		.72			.03		.17	.48		.69	.01				1.11	T.							.32		5.48
Long Branch[2]‡	Coast		.33	1.07			.47		.01	1.05			.01		.76		.76	.10	T.	T.		.81	.25	T.						1.06	.03	.14	6.85
Long Valley[3]	Raritan			1.26	.12			.28		.77	.12			.06	.18	.39		.56	.07				1 38	T.							.15		5.34
Marlton	Delaware		T.	1.18	.11		.13	.19		.80					.25	.45	T.	.54					.82								.66		5.13
Millville[2]‡	Maurice		.38	1.06		.03	.47		.34	.30					.63		.37	.03				.62	.19							1.09	.02	.18	5.71
Moorestown[3]	Delaware			1.12	.08	T.	.15	.16		.87			T.		.46	.85		.62	T.				.77	T.	T.						.78	.16	6.02
Morris Plains[3]	Passaic			1.61	.12		.04	.15		1.07	T.		.03		.18	.44		.74	.01				1.78	.02	T.						.38		6.57
Newark[1]	Coast		.20	1.25			.26		.05	.82	T.		.03		.59		.45	.13		T.		1.23	.13	02	T.					.27	.04	.07	5.54
New Brunswick	Raritan			1.42	.02		.27			.63			.02		.85	T.	T.	.75		T.		.25	.88	T.	T.					.47	.29	.07	5.92
New Milford[2]‡	Hackensack		.06	1.64			.06		.02	.84			.02		.65		.53	.16				1.72	.14							.16	.19	.04	6.23
Newton	Delaware			.86	.03		.18			.35	T.				.57	.03	.16	.53		T.		.23	.56	.02						.02	.10	.11	3.75
N. Merchantville[2]‡	Delaware	T.	.07	.81		.01	.29		.24	.35			T.		.66		.58	.04		T.		.74	.16	T.						.70	.24	.21	5.10
Orange[2]‡	Passaic			1.54			.25			.90			.02		.58			.76					1.94								.40	.02	6.41
Paterson[3]	Passaic			1.04			.14		T.	.81	T.		03		54		.60	.18		.01		1.10	.24	T.						.11	.04	.02	4.87
Pemberton	Delaware			.94	.07		.14			.98					.51		.01	.69	.01			.24	.91	T.						.43	.13	.22	5.28
Phillipsburg	...do		T.	1.20			.18		T.	.67			T		.62		.52	.09	T.	T.		.45	.39	T.						.25	T.	.23	4.60
Plainfield	Raritan			1.97	.02		.25			.76	T.		.03		.54		.31	.42		T.		.79	.61	T.	T.					.40	.12	.09	6.31
Plainsboro	Delaware			.84						.80					1.05			1.38				.39	.87							.22	.34	.20	6.09
Pleasantville[3]	Coast			1.01	.07		.36	.22		.82	.03				.13	.18		.41		.09			1.18								.96	.12	5.58
Rahway[3]‡	Rahway			1.78			.25			.85			T.		.75			.60				1.10								.50		T.	5.83
Ridgefield[2]	Hackensack		T.	1 50			.25			.82	T.		.03		.75		.23	.46	T.	T.		1.07	.46	T.						.30	.11	.04	6.02
Runyon	Coast			1.35			.43			.92					.72		.13	.60				.30	.92							.12	.50	.14	6.13
Sandy Hook[2]‡	Coast	T.	.16	.87			.38		T.	.78			T.		.54		.48	.09		T.		.69	.11	T.					T.	.51	.03	.11	4.75
Somerville (near)	Raritan		1.30	.36			.27			.70			.04		.70			.70		.02		.23	1.30							.25	.19	.12	6.18
Sussex	Hudson			2.21			.30			.80			T.	.03	.60		.15	.90	.25			.62	.80	.01						T.	.30	.30	7.27
Toms River	Coast		1.25	.05			.54			.97					.47	T.	T.					.38	.65							.81	T	.24	5.36
Trenton[1]‡	Delaware		.17	.85		T.	.28		.09	.67			T.		.85		.73	.08	T.	T.		.83	.11	T.	T.					60	.02	.19	5.47
Trenton No. 2[2]	Delaware		.14	.90			.32			.99			T.		.89		.83	.08	T.	T.		1 03	.33	T.						.53	.01	.21	6.26
Tuckerton	Coast			1.12	.02		.56			.82					.46			.68		.04		.28	.62	T.						.78	.14	.18	5.75
Vineland[3]	Maurice																																
Westfield[3]‡	Rahway			1.92	.10		.16	.08		.67	.02		.04		.38	.47		.66					1.52								.58		6.60
Woodcliff Lake[2]‡	Hackensack		.05	2.01			.08			.86			.02		.56		.53	.24				1.80	.17							.20	.14	.05	6.71
Woodstown	Delaware			1.40			.35			.60					.41			.40				.70								.73		.18	4.77
New York, N. Y[1]‡	Coast		.04	2.31			.26		T.	.85	T.		.02		.70	T.	.38	.19	T.	T.		1.10	.24	T.						.55	.10	.02	6.76
Phila., Pa[1]‡	Delaware	T	.25	.92		T.	.25		.16	.25			T.	T.	.79		.48	.05	T.	T.		.59	.16	T.						.71	.01	.22	4.84

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a. m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours ‡ Precipitation measured with recording gage. * Included in the next following measurement T. Trace, or less than 0.01 inch

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation
	Wind movement
Pleasantville[3]	Evaporation
	Wind movement
Runyon	Evaporation
	Wind movement

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for March, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	45	41	46	52	44	49	46	54	53	54	48	59	43	45	42	43	58	61	52	59	49	53	46	51	53	50	48	44	41	53	52	49.5
	Minimum	36	34	36	36	36	39	38	40	40	38	38	40	36	39	37	38	40	40	40	35	42	36	36	32	32	32	38	39	37	34	39	37.2
Barnegat City‡	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	32	19	35	34	23	37	25	40	38	33	23	47	19	37	34	28	....	45	36	28	30	32	35	29	20	24	23	25	37	30	36	31.1[a]
Belvidere	Maximum	46	46	40	50	54	50	60	68	61	48	58	50	52	49	46	45	46	54	52	60	50	51	46	47	52	62	60	56	42	32	49	51.0
	Minimum	33	30	35	35	28	35	27	30	39	33	25	37	26	35	34	37	36	41	35	31	32	34	34	30	29	31	32	31	32	31	32	32.6
Boonton§§	Maximum	45	46	43	46	50	47	58	66	63	45	54	50	53	35	45	48	50	55	50	55	49	46	42	45	48	58	58	44	42	49	41	49.2
	Minimum	31	31	31	35	28	28	30	30	33	35	24	26	25	23	33	34	36	37	39	33	32	35	34	32	32	31	27	29	33	31	30	31.2
Bridgeton	Maximum	52	48	48	53	56	52	63	72	59	55	66	58	59	51	49	45	70	70	53	61	59	66	52	50	55	53	58	45	40	53	50	55.5
	Minimum	34	27	36	36	28	38	29	40	41	34	28	47	28	39	34	33	38	47	39	30	36	34	36	31	28	31	30	32	34	32	38	34.5
Burlington	Maximum	49	48	44	51	54	52	62	70	65	50	59	60	53	53	48	47	53	60	49	58	52	48	42	49	52	59	56	39	33	51	52	52.2
	Minimum	35	31	32	39	40	37	31	35	34	23	27	46	28	37	36	33	37	41	30	35	36	32	24	29	31	23	31	30	23	23	39	32.5
Canoe Brook§§	Maximum	47	47	42	48	52	47	60	65	61	44	52	51	52	43	48	45	49	57	52	57	59	45	42	47	50	58	58	40	37	47	43	49.8
	Minimum	30	24	30	35	22	26	22	26	34	34	20	26	20	26	35	36	35	38	37	32	25	31	31	29	29	25	23	27	34	29	26	28.9
Cape May.*	Maximum	50	43	48	48	41	46	44	51	52	53	46	54	44	47	40	46	62	59	50	56	49	52	46	49	52	48	45	44	41	51	49	48.6
	Minimum	38	33	36	36	34	38	35	39	39	35	37	40	33	38	37	39	41	41	42	40	43	42	39	38	34	35	37	39	35	35	40	37.7
Charlotteburg	Maximum	43	43	43	42	53	49	56	66	66	60	53	51	51	52	41	46	41	55	54	52	53	47	44	41	47	57	58	59	48	45	44	50.3
	Minimum	31	29	31	32	21	33	25	31	37	30	23	30	22	31	31	34	33	39	36	30	31	32	29	28	27	27	21	26	29	32	26	29.6
Chatsworth	Maximum	50	46	42	51	57	53	59	71	61	52	56	55	55	47	55	47	71	71	51	57	57	55	49	58	....	55	60	52	48	51	48	54.7[a]
	Minimum	33	28	37	34	22	37	27	51	40	33	21	44	20	38	28	31	37	47	37	47	35	34	31	30	....	22	23	25	32	34	35	33.4[a]
Clayton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Maximum	45	43	40	45	50	47	57	65	65	45	54	50	53	41	45	43	45	55	50	55	47	47	41	45	49	....	....	....	....	....	....	48.9[f]
	Minimum	32	31	33	33	26	35	28	32	32	32	29	39	25	32	32	34	34	41	36	31	30	33	31	29	29	....	....	....	....	....	....	32.0[f]
Elizabeth	Maximum	49	54	42	51	49	49	61	70	66	47	54	54	48	44	50	53	45	60	50	63	58	52	52	51	55	67	57	54	41	58	51	53.4
	Minimum	35	30	34	34	26	37	26	29	42	33	24	32	23	35	34	36	36	39	37	28	33	34	32	29	28	27	27	31	32	32	30	31.8
Flemington	Maximum	47	45	42	54	52	52	51	68	63	48	61	53	53	53	49	48	45	55	55	62	59	49	49	50	55	64	64	63	41	55	54	53.8
	Minimum	35	29	33	35	27	26	30	29	41	34	26	34	24	35	35	38	36	40	38	31	32	34	33	30	28	32	30	29	33	31	34	32.6
Freehold	Maximum	46	45	45	50	53	48	58	69	62	54	54	55	50	44	46	47	51	58	50	56	54	54	46	46	52	57	58	55	44	48	47	51.7
	Minimum	33	32	33	34	29	36	30	37	46	36	27	41	25	35	34	35	35	40	36	30	36	34	32	29	27	28	28	31	31	30	35	33.1
Hammonton	Maximum	54	60	53	53	65	65	65	70	65	59	62	66	66	62	50	61	72	72	65	63	66	65	63	52	60	65	64	66	53	53	64	61.9
	Minimum	31	26	37	34	27	32	29	41	39	34	26	41	25	37	35	30	37	46	35	24	31	33	33	30	27	28	26	27	33	30	39	32.7
Hightstown	Maximum	48	46	45	50	52	48	60	69	64	49	58	54	54	43	47	46	52	58	50	57	55	54	44	46	53	59	58	53	40	49	45	51.8
	Minimum	33	31	35	34	28	36	29	37	40	33	26	40	24	35	34	34	35	40	36	29	32	33	32	29	27	30	28	30	32	30	35	32.5
Indian Mills(near)	Maximum	48	46	47	52	54	49	62	70	63	52	59	56	58	42	47	44	71	69	51	58	58	56	48	47	54	58	59	47	40	51	47	53.6
	Minimum	34	30	38	35	23	38	28	43	40	35	23	46	20	38	35	30	37	43	36	30	34	34	31	32	24	27	23	23	33	30	36	32.5
Jersey City	Maximum	49	47	47	49	50	49	51	70	60	49	51	52	47	45	46	47	46	59	56	59	57	51	45	48	52	57	57	46	42	51	46	51.0
	Minimum	38	40	35	37	36	38	35	44	46	37	36	45	33	37	35	39	37	45	40	35	42	35	35	33	34	36	39	40	33	32	35	37.5
Lakewood	Maximum	49	45	46	53	54	50	58	71	61	52	52	58	52	42	47	46	53	69	54	59	58	54	48	50	56	58	57	52	41	51	49	53.1
	Minimum	34	33	38	35	27	38	28	36	43	35	25	43	24	37	35	33	37	43	39	30	32	35	34	29	27	28	27	29	33	31	31	33.4
Lambertville	Maximum	47	47	43	50	51	50	61	68	65	48	60	56	53	52	48	47	48	56	52	59	58	56	48	48	57	59	58	57	41	52	49	53.0
	Minimum	34	29	36	36	26	37	27	30	41	30	24	35	23	36	35	34	37	39	39	33	32	34	34	31	24	27	27	30	33	32	35	32.3
Layton(near)	Maximum	47	45	40	43	49	45	57	65	63	45	55	48	61	44	42	42	43	54	49	55	50	47	43	45	48	60	60	50	43	48	45	49.4
	Minimum	30	27	30	34	20	32	21	28	35	31	18	31	18	32	31	35	34	33	36	20	24	32	29	28	24	23	21	25	30	30	23	27.9
Little Falls§§	Maximum	46	46	44	48	53	48	59	69	62	47	54	51	52	40	46	49	51	57	51	58	52	48	43	47	52	58	60	44	42	50	41	50.6
	Minimum	33	30	34	36	28	36	29	30	41	35	27	34	27	35	34	34	36	38	39	33	32	35	32	31	30	31	29	33	34	32	31	32.9
Long Branch*	Maximum	46	44	46	51	50	49	52	68	59	50	49	53	43	41	44	44	46	60	52	58	52	49	45	48	53	56	55	44	42	50	46	49 8
	Minimum	36	35	36	34	31	36	31	41	38	33	29	36	28	37	35	37	40	40	36	31	39	36	34	31	30	32	30	34	33	32	37	34.5
Long Valley§§	Maximum	47	40	41	48	50	48	59	65	60	47	56	57	53	35	48	42	49	63	57	58	50	48	45	46	52	60	60	44	40	51	39	50.3
	Minimum	28	26	29	32	22	24	24	25	26	31	22	24	22	25	32	32	23	36	34	29	26	31	29	26	24	26	24	27	30	29	27	27.6
Moorestown*	Maximum	47	43	46	50	53	50	62	69	65	51	61	56	53	40	46	43	70	59	50	59	56	49	42	46	53	56	57	55	39	50	45	52.3
	Minimum	35	29	38	35	30	39	33	41	41	34	28	37	27	38	35	33	33	40	42	33	36	34	35	32	30	29	40	30	33	31	27	34.1
Newark*	Maximum	46	46	46	49	51	47	56	69	62	49	51	52	47	40	47	44	45	58	51	58	51	47	44	47	52	56	60	45	41	50	46	50.1
	Minimum	37	35	35	35	31	37	31	35	39	36	31	37	31	35	35	37	37	40	37	35	38	34	34	32	33	35	34	37	32	33	33	34.9
New Brunswick	Maximum	47	46	46	50	53	52	61	69	64	49	55	52	50	47	47	47	44	56	52	56	51	55	46	45	52	58	56	38	41	51	47	51.1
	Minimum	35	31	35	34	28	37	28	37	39	34	28	38	25	35	34	37	35	40	36	29	36	33	32	30	29	28	31	32	31	31	33	32.9
Newton	Maximum	43	47	38	43	53	44	57	62	66	48	55	46	53	48	42	42	45	52	48	54	51	49	40	43	47	59	58	48	40	47	36	48.5
	Minimum	32	29	29	31	27	33	25	36	35	36	26	35	21	29	28	32	32	40	34	27	29	29	29	25	26	26	27	29	28	28	28	29.7
N. Merchantville*	Maximum	49	47	46	52	56	52	64	70	63	53	63	56	55	40	48	45	71	60	53	61	56	51	46	49	55	59	61	45	41	53	48	53.8
	Minimum	36	33	36	36	32	37	33	43	39	35	32	38	30	37	36	36	38	42	38	35	38	35	35	34	34	34	32	33	33	33	37	35.5
Paterson§§	Maximum	47	45	48	54	48	55	69	62	48	55	51	52	38	48	50	47	58	51	57	50	48	43	47	51	60	62	45	43	50	43	35	50.3
	Minimum	32	33	34	29	30	30	30	35	34	28	29	28	28	33	33	35	37	38	31	32	34	32	30	30	30	30	31	31	31	32	30	31.6
Pemberton	Maximum	49	47	48	52	55	52	63	70	63	52	60	56	55	53	47	45	71	69	58	59	59	51	49	49	55	60	60	60	41	51	50	55.1
	Minimum	35	32	37	35	27	37	30	40	40	34	27	46	27	37	35	35	37	43	41	32	37	35	34	32	29	31	29	30	34	32	37	34.4
Phillipsburg	Maximum	45	46	40	48	51	50	60	65	62	47	57	50	50	42	47	45	46	53	52	58	54	53	44	48	52	59	60	45	43	53	42	50.5
	Minimum	33	30	32	35	27	36	28	30	37	33	25	33	25	34	34	37	36	37	37	32	32	34	32	31	26	29	31	32	31	31	33	32.0
Plainfield	Maximum	48	47	45	51	53	50	62	69	64	49	55	53	54	43	49	47	44	58	54	59	49	54	45	48	54	59	59	47	41	51	43	51.7
	Minimum	34	34	34	36	30	39	30	32	41	35	28	39	28	36	35	37	37	41	39	32	36	35	33	30	30	32	31	34	32	32	35	34.1
Pleasantville§§	Maximum	50	43	43	54	50	50	52	65	58	55	53	60	48	45	45	46	70	66	54	61	53	54	48	52	55	54	53	49	42	54	54	52 9
	Minimum	32	21	36	33	22	38	27	38	46	34	20	42	18	38	35	28	38	44	32	22	38	32	33	25	20	24	21	31	35	31	34	31.2
Ridgefield*	Maximum	48	45	45	48	51	47	57	71	60	48	55	53	50	39	46	50	43	58	51	57	51	47	45	47	51	57	60	44	40	50	43	50.2
	Minimum	33	34	35	35	32	37	29	39	38	35	29	35	27	35	33	37	38	41	36	31	36	34	33	31	31	30	32	35	31	31	33	33.7
Runyon	Maximum	46	47	48	48	50	49	61	69	60	52	50	50	54	46	49	44	46	50	48	58	54	48	48	47	50	48	58	55	42	50	48	50.7
	Minimum	31	36	38	27	20	35	20	26	35	34	19	35	16	35	34	34	35	40	42	28	25	35	34	30	25	24	21	25	27	30	25	29.5
Sandy Hook‡	Maximum	47	43	45	46	47	45	50	62	55	48	51	52	44	40	45	42	43	54	50	53	50	47	44	46	50	53	50	42	40	47	45	47.6
	Minimum	36	35	37	36	35	37	35	42	38	37	37	37	34	36	36	38	38	41	37	36	40	38	35	34	34	36	37	36	33	34	37	36.5
Somerville(near)	Maximum	45	46	48	52	48	50	61	69	62	46	56	52	52	42	47	40	45	56	52	57	55	53	44	45	52	60	58	53	40	45	44	50.8
	Minimum	35	32	34	29	36	35	28	39	40	34	28	30	25	34	33	33	35	40	35	28	35	31	30	31	28	28	30	30	31	29	33	32.2
Sussex	Maximum	45	44	44	44	49	45	57	66	63	44	54	50	51	49	43	45	43	54	48	54	54	49	42	43	48	59	60	57	44	47	46	49.7
	Minimum	31	29	32	34	23	33	26	30	35	31	22	32	23	33	32	35	34	38	35	29	28	33	30	29	27	26	25	30	31	31	27	30.1
Trenton*	Maximum	47	46	46	49	53	49	61	68	65	50	57	54	53	40	47	43	52	56	51	58	55	49	44	46	53	58	57	44	40	50	46	51.2
	Minimum	38	36	37	36	33	37	34	44	39	35	32	36	34	36	35	36	38	41	37	34	39	33	34	32	32	33	34	33	32	32	36	35.4
Trenton No. 2*	Maximum	50	47	46	51	54	49	62	70	64	50	59	53	53	40	48	43	52	58	52	59	54	55	45	47	54	59	58	45	41	50	44	52.0
	Minimum	36	34	36	36	32	38	33	40	42	35	30	40	29	37	36	36	37	41	39	32	35	34	34	32	21	32	31	32	33	32	36	34.9
Tuckerton	Maximum	48	45	47	57	54	48	54	65	56	55	55	58	55	45	45	45	63	65	56	60	60	56	54	50	55	56	53	48	40	53	55	53.4
	Minimum	35	30	38	35	28	38	32	42	38	35	34	42	28	38	36	35	38	43	38	32	38	38	34	30	28	30	28	32	35	33	35	34.7
New York, N. Y.*	Maximum	48	45	45	48	51	47	52	65	58	47	53	52	50	45	46	49	50	58	51	56	52	49	43	46	50	57	56	44	42	48	47	50.0
	Minimum	37	38	34	36	35	37	34	45	38	35	35	37	34	36	35	35	37	42	36	34	41	35	33	32	33	35	29	39	33	31	35	35.9
Philadelphia, Pa.*	Maximum	49	45	45	51	52	51	62	67	62	51	60	57	54	41	47	43	70	59	51	59	56	51	44	49	56	57	56	44	40	50	46	52.4
	Minimum	39	36	36	37	36	38	38	47	39	35	37	41	36	38	36	37	38	43	39	35	41	34	35	35	36	36	36	36	33	33	38	37.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.
A. E. WHITE.
TRENTON, N. J.

Vol. XLVII. April, 1942. No. 4.

GENERAL SUMMARY.

The month averaged unusually warm. With the exception of April last year, it was the warmest April in 20 years. There was a warm period from the 2d to 8th, another from the 22d to 26th, and a one-day heat wave with near-record temperatures on the 30th, when readings as high as 95° were registered. There was a cool period from the 9th to 14th with the coldest weather of the month on the latter date. No killing frost occurred after the 14th except at some northern stations and in the cranberry bogs.

The month was dry with only 38 percent of the normal precipitation. There was no rain of consequence after the 11th of the month. Because of copious rainfall in March, however, no serious lack of moisture was felt except on some of the lighter soils of south Jersey where rain was badly needed by the close of the month. The weather was ideal for the preparation of soil and planting of early crops. Practically all the early white potato crop was planted by the close of the month; canning peas and early truck made a good start; and marketing of asparagus was begun. Wheat, rye, barley, and alfalfa were reported in good condition. An unusual feature of the month's weather was the heavy snowfall in the northern counties on the 9th, amounting at several stations to more than six inches. Strong winds were registered on the 9th and 10th in the coastal areas. Sunshine was above normal.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 53.1°, which was 3.5° above normal. The highest temperature was 95° at Belvidere on the 30th, and the lowest, 18°, at Layton on the 14th. The highest monthly mean temperature was 55.8° at Bridgeton and North Merchantville, and the lowest, 48.6° at Barnegat City.

The temperature departure from the normal for the year, 1942, to date, for the State is +0.9°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 1.39 inches, which was 2.26 inches below normal. The average total snowfall at 23 selected stations was 1.6 inches, which was 0.4 inch above normal. The greatest monthly precipitation was 2.43 inches at Burlington and Sussex, and the least, 0.58 inch at Hammonton. The greatest amount of precipitation in any 24 consecutive hours was 1.66 inches at Barnegat City on the 9-10th. The average for the Highlands was 1.50 inches, for the Red Sandstone Plain 1.37 inches, for the Southern Interior 1.35 inches, and for the Sea Coast, 1.62 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, −1.38 inches; Red Sandstone Plain, −1.60 inches; Southern Interior, −2.03 inches; Sea Coast, −2.10 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 4, 5. Thunderstorms: 8, 17. Sleet: 9, 10.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.06	30.38	16	29.60	11	16.4	47	e.	10	71	59	67	68
Long Branch	30.03	30.38	16	29.57	11	12.4	36	ne.	10	68	44	57	68
Trenton	30.04	30.38	16	29.61	11	9.7	26	n.	8	69	44	51	66

COMPARATIVE DATA FOR APRIL.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	48.4	88	26	2.79	......	......	......	......	......
1886	50.6	86	27	3.40	......	......	......	......	......
1887	47.3	87	16	2.70	......	7	......	......	......
1888	47.9	92	22	3.28	......	9	......	......	......
1889	51.2	83	25	5.32	......	12	......	......	......
1890	50.4	86	21	2.65	......	8	......	......	......
1891	52.0	88	20	2.19	......	8	13	11	6
1892	49.3	87	19	2.49	......	8	9	13	8
1893	49.2	82	19	5.21	......	11	9	10	12
1894	50.3	88	10	3.09	......	9	12	9	9
1895	49.1	89	19	4.88	T.	10	11	7	12
1896	52.4	**98**	12	**1.35**	3.1	7	13	10	7
1897	50.4	89	19	3.79	T.	9	14	11	5
1898	47.8	81	13	3.74	2.9	11	8	11	11
1899	49.9	88	18	1.73	T.	4	16	10	4
1900	50.8	82	18	2.29	T.	6	14	9	7
1901	48.3	89	23	6.31	0	12	8	7	15
1902	50.2	93	20	3.62	0	9	10	11	9
1903	50.9	92	18	3.97	0	9	13	7	10
1904	46.7	85	16	3.42	0.1	10	9	12	9
1905	49.9	84	18	2.88	0.1	10	12	11	7
1906	51.2	87	17	3.64	T.	8	15	10	5
1907	**45.2**	83	19	3.78	4.8	11	11	9	10
1908	51.2	93	13	2.72	T.	11	14	9	7
1909	50.2	88	17	5.97	0.8	13	10	11	9
1910	53.5	88	20	5.34	0	12	9	11	10
1911	47.4	88	14	4.11	2.6	11	10	10	10
1912	50.4	82	18	3.56	0	14	9	10	11
1913	52.1	89	19	5.78	T.	11	14	7	9
1914	48.4	89	16	3.67	0	11	13	10	7
1915	54.4	96	20	2.71	**11.5**	9	14	10	6
1916	48.2	85	21	3.32	4.4	13	10	9	11
1917	48.8	88	21	2.39	4.7	9	15	8	7
1918	49.8	81	22	4.05	2.6	12	11	8	11
1919	49.3	85	15	3.06	T.	10	13	7	10
1920	48.0	85	13	4.50	T.	13	12	9	9
1921	**56.3**	87	20	3.57	0.4	11	13	6	11
1922	51.0	89	18	2.55	T.	10	15	7	8
1923	50.0	91	**3**	3.55	0.5	9	16	6	8
1924	48.0	81	18	6.15	6.6	11	15	6	9
1925	51.4	88	15	2.40	0	9	15	7	8
1926	46.4	87	14	2.05	T.	8	13	10	7
1927	47.5	93	17	2.42	0.3	9	14	7	9
1928	47.4	85	16	5.26	0.9	12	12	8	10
1929	51.1	94	25	**6.43**	T.	15	10	5	15
1930	47.6	79	18	2.34	T.	9	13	7	10
1931	49.8	80	20	2.85	T.	9	15	6	9
1932	48.3	82	18	2.71	0.1	7	15	7	8
1933	50.4	85	20	4.84	0.2	11	12	7	11
1934	49.4	85	21	3.89	T.	13	15	6	9
1935	48.7	91	22	2.27	0.3	10	10	8	12
1936	48.0	90	19	3.23	0.1	12	11	8	11
1937	49.3	85	16	4.64	T.	12	11	9	10
1938	53.0	94	12	2.82	2.8	9	14	8	8
1939	48.3	89	20	5.12	0.1	14	9	8	13
1940	45.5	79	15	5.62	2.2	12	9	8	13
1941	55.4	96	19	2.32	0	5	19	6	5
1942	53.1	95	18	1.39	1.6	4	15	8	7
Period	49.6	98	3	3.65	1.2	10	12	9	9

Climatological Data for April, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	51.6	+3.8	80	16	34	13	1.28	−1.71	1.17	9–10	0	3	12	8	10	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§22	48.6	...	72	16	28	2	1.66	...	1.66	9–10	0	2	7	7	16	sw.	U. S. Coast Guard.
Belleplaiu	Cape May	49	48	53.2	+2.9	88	30	22	14	0.77	−2.93	0.40	10	0	4	25	3	2	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	1.34	...	0.69	9	0	4	4	13	13	se.	Fred Fine.
Belvidere	Warren	289	51	54.2	+4.5	95	30	27	14	1.71	−2.05	1.04	9	2.5	2	19	8	3	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	1.51	...	0.85	9	...	3	22	6	2	...	Samuel H. McCulley.
Boonton	Morris	280	§52	51.0	+3.0	89	30	27	14	1.33	−2.57	0.89	10	...	5	18	3	9	nw.	John Kline.
Bridgeton	Cumberland	30	59	55.8	+3.6	93	30	29	14	0.85	−2.75	0.79	9–10	0	3	20	6	4	nw.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	1.18	...	0.66	10	0	3	...	...	...	...	C. D. Scott.
Burlingtou	Burlington	12	§56	55.1	+3.2	88	6†	33	11†	2.34	−1.40	...	...	0	5	22	3	5	nw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	50.2	+3.3	90	30	21	14	1.57	−2.26	1.15	10	...	5	19	4	7	nw.	N. J. Water Policy Comm.
Cape Mav	Cape May	17	54	52.2	+3.8	82	30	38	9†	1.73	−1.26	1.35	9	0	5	15	10	5	e.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	51.8	+5.1	89	30	20	14	1 53	−2.79	0.64	9	6.0	5	13	10	7	sw.	Newark Water Dept.
Chatham	Morris	185	38	...	...	...	...	...	...	1.47	−2.75	0.99	10	5.0	6	15	9	6	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	53.1	...	91	30	22	14	1.23	...	0.72	9	0	4	12	16	2	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	...	...	90	30	...	...	1.37	−2.24	0.79	10	0	3	9	5	16	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	1.31	−2.22	0.69	10	8.0	3	...	...	...	...	L. S. Depue.
Dayton	Middlesex	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Edward Visinski.
Dover	Morris	600	58	...	...	...	...	...	...	1.29	−2.77	1.00	9	7.0	4	5	15	10	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	1.63	−2.03	0.95	9	0	4	21	6	3	sw.	Chas. E. Hall.
Elizabeth	Union	34	63	53.9	+3.0	94	30	26	14†	1.55	−2.29	0.95	9	0.1	5	20	6	4	nw.	Union County Park Comm
Flemington	Hunterdon	140	§56	54.8	+4.6	94	30	27	14	1.26	−2.36	0.69	10	2.5	3	20	6	4	nw.	Hiram E. Deats
Freehold	Monmouth	194	§38	53.0	+2.8	89	30	30	1	1.57	−2.14	1.52	9–10	0	4	20	9	1	sw.	Morcau Plant Co.
Hammontou	Atlantic	95	§36	55.4	+3.4	93	30	28	14	0.58	−3.20	0.52	9	0	2	18	7	5	s.	J. G. Wilson.
Hightstown	Mercer	110	49	53.1	+2.9	88	30	28	14	1.22	−2.67	0.60	9	T.	4	14	12	4	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	53.6	+3.1	91	30	23	14	1.50	−2.30	0.74	9	0	5	13	12	5	sw.	Edward Entwistle.
Jersey City	Hudson	81	44	55.2	+5.1	89	30	33	10†	1.32	−2.43	0.91	9	2.1	3	10	12	8	nw.	Jersey Journal.
Lakewood	Ocean	54	38	53.7	+4.1	92	30	27	14	1.60	−2.35	1.52	9–10	0	5	11	10	9	sw.	R. W. Holman.
Lambertville	Hunterdon	75	55	54.2	+4.2	91	30	26	14	1.39	−2.41	0.68	10	T.	4	19	7	4	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	41	51.2	+4.5	89	30	18	14	1.30	−2.19	0.87	10	8.3	7	15	4	11	nw.	A. M. Depue.
Little Falls	Passaic	157	39	53.0	+3.6	92	30	27	14	1.34	−2.82	1.03	10	4.0	5	18	10	2	nw.	Passaic Valley Water Co
Loug Branch	Monmouth	34	34	52.4	+4.2	85	7†	32	14	1.48	−2.79	1.47	9–10	T.	3	11	13	6	se.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	50.3	...	90	30	21	14	1.26	−2.16	0.36	11	5.0	6	19	8	3	w.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	1.60	...	1.27	10	0	6	18	7	5	sw.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	0.98	...	0.90	9–10	...	3	14	10	6	...	Paul Ritchie.
Moorestown	Burlington	62	79	53.5	+3.1	88	6	30	14	2.02	−1.63	1.82	10	0	5	13	6	11	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	1.53	...	0.71	10	3.2	5	20	6	4	...	James C. Long.
Newark	Essex	10	43	53.0	+3.0	91	30	32	9	1.15	−2.73	0.87	9–10	3.5	4	8	12	10	nw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	53.0	+3.4	90	30	28	14	1.24	−2.37	0.62	10	T.	4	16	8	6	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	1.38	−2.34	0.80	9	...	4	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	51.6	+3.8	89	30	26	1†	1.56	−1.97	0.78	9	8.0	5	13	7	10	nw.	Irving J. Kern.
N. Merchantville	Camden	63	8	55.8	...	91	6†	34	14	1.32	...	1.18	9–10	0	5	15	7	8	nw.	A. Reuleaux Heintze.
Orange	Essex	140	2	...	...	...	...	...	...	1.38	...	0.90	9	0	4	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	53.0	+2.4	93	29	30	13	0.86	−2.97	0.53	9	2.5	3	13	15	2	w.	J. W. Cook.
Pemberton	Burlington	55	13	55.1	+4.2	91	30	28	14	1.34	−1.76	0.64	10	0	7	18	5	7	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	53.4	+4.0	92	30	26	14	1.72	−1.67	1.13	9	1.9	4	12	12	6	...	Town Engineer.
Plainfield	Union	120	54	53.8	+4.4	92	30	29	14	1.51	−2.28	0.77	9	1.9	3	9	13	8	sw.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	1.35	...	0.73	10	0	2	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	52.4	+3.8	84	7	21	14	1.18	−2.24	0.90	10	...	5	24	1	5	nw.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	1.30	...	1.30	10	1.0	1	14	8	8	ne.	Louis Fontenelli.
Ridgefield	Bergen	80	25	53.1	+4.7	91	30	31	14	1.34	−2.11	0.93	9	2.0	4	9	13	8	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	52.6	+4.5	92	30	27	2	1.37	−2.25	0.71	10	...	3	24	3	3	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	50.9	+2.6	83	30	33	9	1.24	−2.38	1.04	9	T.	3	9	10	11	nw.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	53.8	+4.4	88	30	31	1†	1.47	−2.19	0.89	9	2.5	3	13	9	8	w.	Richard H. Rogers.
Sussex	Sussex	450	47	52.3	+3.9	90	30	23	14	2.34	−1.19	0.90	8	2.5	7	19	6	5	w.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	1.56	−2.35	0.79	10	0	2	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	70	54.5	+4.7	90	30	33	9	1.27	−1.67	1.19	9–10	0	4	9	8	13	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	54.7	...	91	30	32	14	1.33	...	1.17	9	0	4	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	52.4	+3.0	83	30	30	14	1.33	−2.44	0.76	10	0	4	19	4	7	nw.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Edward H. Ladd.
Westfield	Union	145	2	...	...	...	...	...	...	1.52	...	1.10	10	0	3	18	7	5	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	1.20	−2.60	0.80	9	...	4	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	1.10	...	1.10	9	...	1	23	5	2	w.	Geo. S. Keen
New York, N. Y.	...	10	72	53.4	+4.0	87	30	33	11	1.40	−1.83	1.18	9–10	1.5	4	10	11	9	nw.	U. S. Weather Bureau
Philadelphia, Pa.	...	26	72	56.2	+4.1	88	30	36	9	1.35	−1.70	1.25	9–10	T.	5	11	11	8	sw.	U. S. Weather Bureau.
For the State	...	...	...	53.1	+3.5	95	30	18	14	1.39	−2.26	1.66	9–10	1.6	4	15	8	7	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ª, ᵇ ᶜ, etc., appearing in the table indicate number of days missing: for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown: New Milford and Woodcliff Lake are Weehawken: Pleasantville Canoe Brook and Runyon are Trenton; Charlottehurg is Newfoundland: Layton, is Port Jervis, N. Y

W. B. O. Philadelphia-5-20 42-925

Errata

MARCH, 1942 Belvidere, maximum temperature on 30th 48°, mean maximum 51.5°, monthly mean 42.0°; Cape May, minimum temperature on 16th 37°, mean minimum 37.6°, monthly mean 43.1°; Jersey City, maximum temperature on 31st 51°, mean maximum 51.2°, monthly mean 44.4°; Newton, maximum temperature on 31st 38°, mean maximum 48.6°, monthly mean 39.2°; Paterson, minimum temperature on 8th 30°, mean minimum 31.5°, maximum temperature on 10th 58°, mean maximum 50.6.

Daily Precipitation for April, 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast									.75	.46	.07						T.												T.			1.28
Barnegat City[4]	Coast			T.						1.25	.41							T.												T.			1.66
Belleplain	Tuckahoe									.18	.40	.08	.11																				0.77
Belmar	Coast				T.			T.		.69	.62	.02						.01												T.			1.34
Belvidere	Delaware			T.						1.04	.67																						1.71
Berlin	Mullica									.85	.56	T.						.10												T.			1.51
Boonton[3]	Passaic	.01			T.				.02	.04	.89	.37																					1.33
Bridgeton	Delaware									.32	.47	.06							T.		T.												0.85
Brooklawn	....do			T.						.47	.66	.05						T.												T.			1.18
Burlington	Delaware								*	1.34	.20	.30																		.50			2.34
Canoe Brook[3]	Passaic	.04								.18	1.15	.17	.03																				1.57
Cape May[2]‡	Coast									1.35	.31	.02						.04			T.	T.								.01	T.		1.73
Charlotteburg	Passaic	.07							.17	.64	.57	.08																					1.53
Chatham[3]	..do	.04							.02	.12	.99	.27	.03																				1.47
Chatsworth	Delaware									.72	.43	.04																		.04			1.23
Clayton	Delaware									.54	.79																			.04			1.37
Culvers Lake	...do								.05	.57	.69																						1.31
Dayton	Raritan																																......
Dover	Passaic					T.			.14	1.00	.10	.05								T.													1.29
Egg Harbor City[2]	Mullica									.95	.50	.15						.03												T.			1.63
Elizabeth	Coast	.01							.01	.95	.50	.08	T.																				1.55
Flemington	Raritan					T.			T.	.51	.69	.06						T.												T.			1.26
Freehold	.do									.75	.77	.02	.03																				1.57
Hammonton	Mullica									.52	T.	.06							T.											T	T.		0.58
Hightstown	Raritan	T.		T.				T.	T.	.60	.57	.03	T.					T.			T.									.02			1.22
Indian Mills	Mullica									.74	.64	.06						.04	T.											.02			1.50
Jersey City	Coast			T.	T.			T.	.01	.91	.40	T.						T.			T.	T.								T.			1.32
Lakewood	Metedeconk								T.	.90	.62	.04							.02											.02			1.60
Lambertville	Delaware								T.	.65	.68	.04						T.			T.									.02			1.39
Layton(near)	....do	.11				.06			.05	*	.87	.16							.05														1.30
Little Falls[3]	Passaic	.03							.04	.11	1.03	.13	T.																				1.34
Long Branch[2]‡	Coast			T.	T.			T.	T.	1.21	.26	.01						T.												T.			1.48
Long Valley[3]	Raritan	.26					T.		.12	.16	.25	.36	.11																		T.		1.26
Marlton	Delaware	.18									1.27	.08	.01						.04												.02		1.60
Millville[2]‡	Maurice									.55	.35	.08																					0.98
Moorestown[3]	Delaware	.04			T.						1.82	.11	.02						.03											T.			2.02
Morris Plains	Passaic				T				.07	.63	.71	.06	.06									T.											1.53
Newark[1]	Coast				T.			T.	.01	.86	.19	.09						T.			T.												1.15
New Brunswick	Raritan	.01								.58	.62	.03	T.								T.												1.24
New Milford[2]‡	Hackensack							.08	.05	.80	.45																						1.38
Newton	Delaware	.06		T.					.08	.78	.52	.12																					1.56
N. Merchantville[2]‡	Delaware			T.				T.		1.06	.12	.07	T.					.06												.01			1.32
Orange[2]‡	Passaic							.01		.90	.46	.01																					1.38
Paterson[3]	Passaic			T.				T.		.53	.30	.03																					0.86
Pemberton	Delaware									.63	.64	.01	.02								.02	.01								.01			1.34
Phillipsburg	....do	T.		T.	T.	T.		T.	.12	1.13	.43	.04								T.	T.									T.			1.72
Plainfield	Raritan			T.	T.				T.	.77	.69	.05									T.	T.								T.			1.51
Plainsboro	Delaware									.62	.73																			T.			1.35
Pleasantville[3]	Coast										.90	.21	.05						.01												.01		1.18
Rahway[3]‡	Rahway									T.	1.30	T.																					1.30
Ridgefield[2]	Hackensack			T.	T.				.04	.93	.31	.06																					1.34
Runyon	Coast									.61	.71	.05																					1.37
Sandy Hook[2]‡	Coast			T.				T.		1.04	.18	.02						T.			T.	T.											1.24
Somerville(near)	Raritau								T.	.89	.51	.07	T.																				1.47
Sussex	Hudson	.10		T.		T.		T.	.90	.50	.60	.20				.01			.03		T.												2.34
Toms River	Coast									.77	.79	T.																					1.56
Trenton[1]‡	Delaware			T.				T.	T.	1.11	.14	.01	T.					T.			T.									.01			1.27
Trenton No. 2[2]	Delaware			T.				T.		1.17	.11	.04						T.												.01			1.33
Tuckerton	Coast									.51	.76	.03							.03														1.33
Vineland[3]	Maurice																																......
Westfield[3]‡	Rahway									.32	1.10	.10																					1.52
Woodcliff Lake[2]‡	Hackensack							.05	.04	.80	.31																						1.20
Woodstown	Delaware									1.10																							1.10
New York, N. Y[1]‡	Coast			T.	T.			T.	.01	1.09	.27	.03						T.		T.	T.	T.								T.			1.40
Phila., Pa[1]‡	Delaware			T.				T.		1.14	.12	.02					T.	.06			T.									.01			1.35

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch Time indicated here is 75th meridian.

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation																																
	Wind movement																																
Pleasantville[3]	Evaporation	.128	.192	.160	.096	.176	.176	.096	.192	*	.006	*	.114	.224	.208	.176	.192	.074	.320	.256	.064	.160	.240	.272	.240	.256	.288	.192	.128	.074	.256		4.956
	Wind movement	55	95	71	44	24	50	59	17	136	40	81	73	57	114	82	72	64	54	145	94	45	69	31	78	40	69	73	54	*	100		1986
Runyon	Evaporation																																
	Wind movement																																

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for April, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	54	61	67	69	65	63	67	63	49	41	50	50	56	53	60	80	63	64	59	53	56	60	58	60	61	70	52	48	59	73	....	59.5
	Minimum	37	39	45	47	45	49	52	48	38	36	38	36	34	41	46	45	45	45	40	41	41	43	48	48	51	48	44	42	48	55	....	43.8
Barnegat City‡	Maximum	55	62	66	65	57	67	70	60	48	41	48	49	65	54	65	72	63	66	58	53	53	58	58	62	61	62	53	48	61	71	....	59.0
	Minimum	32	28	39	42	37	33	36	43	35	35	34	34	34	32	43	42	41	40	37	40	38	40	41	35	42	44	40	39	44	47	....	38.2
Belleplain	Maximum	52	58	72	65	80	83	80	73	53	40	41	47	54	58	72	80	83	67	67	65	65	71	78	83	80	74	71	66	68	88	....	67.8
	Minimum	34	34	45	43	33	46	59	50	35	35	36	33	29	22	41	49	42	47	37	38	33	35	35	31	40	36	39	34	38	46	....	38.5
Belvidere	Maximum	52	64	70	66	72	82	81	74	50	38	45	50	55	65	78	76	72	64	53	52	55	74	82	87	88	92	75	67	80	95	....	68.5
	Minimum	31	33	43	42	41	46	48	44	32	32	33	33	30	27	39	53	43	44	40	40	39	36	39	41	44	47	40	42	47	51	....	40.0
Boonton§§	Maximum	51	59	68	64	67	81	78	60	36	35	45	47	52	61	75	67	69	51	54	52	51	70	77	83	79	86	68	60	74	89	....	63.6
	Minimum	31	32	36	45	36	40	46	48	35	32	32	32	35	27	32	42	43	44	41	40	35	41	40	37	42	47	36	40	41	46	....	38.5
Bridgeton	Maximum	54	65	77	69	82	87	86	78	55	44	50	51	55	66	79	82	76	66	57	53	56	70	78	82	83	88	74	64	72	93	....	69.7
	Minimum	35	34	43	47	45	50	55	54	36	35	38	34	32	29	40	50	43	49	40	41	41	39	41	39	45	45	41	39	43	50	....	41.8
Burlington	Maximum	54	65	72	70	79	88	83	75	62	40	46	51	56	65	78	78	72	70	64	52	55	79	79	85	83	77	70	65	73	88	....	69.1
	Minimum	36	39	46	44	41	48	57	52	35	35	33	35	33	33	37	44	43	45	40	42	41	41	38	39	43	46	35	40	43	49	....	41.1
Canoe Brook§§	Maximum	53	68	72	73	68	80	81	60	35	35	51	49	54	62	77	70	68	51	57	54	53	69	76	82	76	85	62	54	75	90	....	64.7
	Minimum	25	30	37	38	34	37	41	48	33	32	32	33	31	21	36	48	42	44	39	40	34	30	31	31	36	38	30	34	39	44	....	35.6
Cape May.*	Maximum	52	60	66	65	65	61	67	66	47	42	49	49	52	54	65	78	65	60	54	51	54	64	62	59	64	72	57	50	58	82	....	59.7
	Minimum	40	42	47	46	47	49	51	47	38	38	39	39	39	39	42	46	46	46	45	45	47	44	42	46	49	48	45	43	50	52	....	44.6
Charlotteburg	Maximum	50	68	65	66	69	79	81	70	58	35	43	42	51	64	77	75	74	68	52	55	51	70	76	82	79	85	84	70	80	89	....	66.9
	Minimum	28	29	45	44	31	37	50	41	30	29	30	31	31	20	34	56	41	40	37	34	35	38	32	34	38	46	30	40	39	49	....	36.6
Chatsworth	Maximum	53	63	74	67	80	85	85	64	51	41	46	49	55	65	78	77	78	61	59	52	53	68	75	85	76	80	63	60	73	91	....	66.9
	Minimum	39	29	49	45	39	46	61	50	36	35	35	34	32	22	33	53	47	47	39	41	38	32	32	33	37	39	37	34	40	46	....	39.3
Clayton	Maximum	52	67	73	71	78	89	85	80	65	57	49	49	55	63	77	81	73	69	56	51	56	69	76	81	83	84	76	64	70	90	....	69.6
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Elizabeth	Maximum	56	63	72	69	65	83	83	77	60	48	50	52	66	66	79	75	72	62	59	65	56	77	78	85	79	87	73	60	78	94	....	69.6
	Minimum	29	29	41	44	40	42	46	50	31	32	32	33	30	26	36	49	43	44	39	40	37	37	37	38	44	26	41	39	41	49	....	38.2
Flemington	Maximum	50	63	73	68	75	83	83	75	63	38	53	52	57	65	80	77	73	71	54	55	54	75	77	88	84	89	73	66	75	94	....	69.4
	Minimum	30	35	42	45	41	45	49	48	32	32	38	34	33	27	36	52	44	44	40	41	37	39	39	40	43	48	39	42	45	48	....	40.3
Freehold	Maximum	51	62	70	65	72	81	81	73	62	39	46	49	55	64	75	76	73	69	55	52	53	70	74	80	75	83	64	56	72	89	....	66.2
	Minimum	30	35	46	42	39	45	56	51	34	34	33	33	31	32	48	40	41	43	38	39	36	37	36	40	41	45	41	35	40	55	....	39.9
Hammonton	Maximum	60	65	76	69	80	90	80	80	61	47	49	53	61	66	78	79	83	66	66	65	65	71	78	83	80	82	71	66	74	93	....	71.2
	Minimum	32	35	43	42	37	47	60	54	36	34	34	33	30	28	39	53	42	41	37	39	33	36	37	36	40	42	38	36	40	52	....	39.5
Hightstown	Maximum	51	61	70	65	71	86	81	71	54	40	47	50	55	62	76	74	70	65	55	53	55	71	76	83	79	84	65	62	71	88	....	66.4
	Minimum	33	34	46	42	40	44	57	50	33	34	34	33	32	28	39	45	42	44	39	40	36	40	36	37	41	46	39	37	41	51	....	39.8
Indian Mills(near)	Maximum	52	62	73	66	78	88	83	73	54	41	46	50	55	63	77	79	76	61	55	52	54	70	76	81	80	81	67	62	72	91	....	67.3
	Minimum	33	35	50	47	36	46	61	53	36	35	36	35	32	23	36	48	43	47	40	41	40	34	33	34	37	39	39	35	42	49	....	39.8
Jersey City	Maximum	52	63	69	64	61	71	83	78	60	40	49	48	55	65	79	77	61	63	57	56	55	71	77	81	70	83	63	53	73	89	....	65.5
	Minimum	35	39	49	45	41	52	60	50	34	33	33	34	39	40	44	46	44	47	43	44	48	45	46	52	51	56	49	44	44	61	....	45.0
Lakewood	Maximum	56	64	72	70	71	78	85	76	58	39	51	52	59	66	79	76	73	67	60	57	57	68	74	79	74	78	60	54	73	92	....	67.3
	Minimum	32	34	50	44	40	44	58	56	35	35	35	34	30	27	40	47	43	45	38	40	37	36	34	35	40	46	38	35	40	54	....	40.1
Lambertville	Maximum	52	61	71	69	76	84	83	73	62	39	44	49	56	64	77	78	72	63	53	53	56	72	78	83	82	87	85	64	73	91	....	68.3
	Minimum	32	32	45	43	36	44	50	51	34	34	35	36	29	26	38	48	44	46	41	42	40	36	36	37	42	45	37	40	46	48	....	39.8
Layton(near)	Maximum	51	65	65	65	71	81	83	74	52	37	43	46	53	64	78	72	72	65	51	50	52	70	77	83	84	85	76	65	80	89	....	66.6
	Minimum	27	23	43	45	32	39	44	41	31	30	31	32	26	18	38	51	43	42	38	37	28	32	32	36	35	46	32	39	39	42	....	35.7
Little Falls§§	Maximum	52	63	67	66	70	79	83	65	35	36	44	48	56	64	78	65	73	65	57	55	58	74	80	83	78	86	68	58	78	92	....	65.9
	Minimum	32	31	42	45	37	42	48	47	34	32	33	34	34	27	43	55	44	46	41	40	39	37	38	39	43	47	38	40	42	51	....	40.0
Long Branch*	Maximum	53	64	70	61	55	71	85	69	50	40	48	49	55	65	78	69	66	60	56	54	54	65	70	75	69	75	55	51	71	85	....	62.9
	Minimum	33	36	46	45	42	45	62	50	34	36	35	35	34	32	43	45	43	42	40	40	39	43	39	42	44	49	47	40	42	58	....	42.0
Long Valley§§	Maximum	52	61	68	65	71	80	82	60	36	35	45	47	54	63	77	73	71	55	56	52	54	72	78	83	82	86	70	64	76	90	....	65.3
	Minimum	26	26	36	43	33	39	42	44	32	30	31	30	26	21	26	38	41	40	37	38	30	33	38	36	42	43	38	37	40	46	..	35.4
Moorestown*	Maximum	49	62	72	66	77	88	87	71	54	40	45	45	55	65	76	63	71	57	52	51	55	70	74	80	81	84	66	63	68	87	....	65.8
	Minimum	36	39	37	44	40	48	59	51	38	35	35	36	35	30	39	44	42	44	40	43	41	38	37	39	42	42	45	40	43	53	....	41.2
Newark*	Maximum	52	63	67	66	59	72	84	68	48	38	47	48	55	65	79	66	68	59	57	55	57	71	76	81	70	82	62	52	74	91	....	64.4
	Minimum	33	35	46	44	42	45	51	45	32	33	34	35	35	33	42	45	45	44	41	41	41	43	43	44	48	49	44	43	44	52	....	41.7
New Brunswick	Maximum	52	62	70	68	63	71	82	75	59	38	45	48	49	63	77	74	70	66	54	52	54	71	74	82	77	83	80	60	72	90	....	66.0
	Minimum	30	35	44	42	39	43	49	49	31	32	32	33	30	28	39	47	43	44	39	41	38	41	38	39	45	48	43	39	40	61	....	40.1
Newton	Maximum	49	60	67	65	69	81	82	78	52	36	43	43	51	61	72	72	71	50	52	55	49	70	76	82	83	83	72	65	78	89	....	65.2
	Minimum	26	29	42	48	39	39	57	39	29	27	29	29	27	26	39	45	40	37	35	35	33	38	40	41	49	51	36	38	41	52	....	37.9
N. Merchantville*	Maximum	52	64	74	67	80	91	82	69	51	41	47	51	57	66	78	79	73	58	54	51	57	73	78	84	84	86	71	67	72	91	....	68.3
	Minimum	37	40	48	48	42	50	60	51	35	36	36	36	37	34	42	44	44	44	42	43	42	43	44	44	48	47	43	41	47	54	....	43.4
Paterson§§	Maximum	63	69	67	65	78	85	65	47	37	46	48	56	65	78	65	74	54	56	55	55	74	81	86	79	89	70	58	80	93	65	....	66.8
	Minimum	33	35	44	40	42	42	47	35	31	31	32	33	30	34	34	43	45	40	39	38	41	41	41	47	51	42	41	42	43	45	....	39.2
Pemberton	Maximum	53	61	73	73	76	89	87	76	63	41	47	50	52	64	76	78	75	73	56	57	55	71	76	82	82	85	67	63	72	91	....	68.8
	Minimum	33	35	49	46	40	49	55	53	36	35	36	36	34	28	37	54	43	47	40	42	40	39	37	38	42	44	42	39	42	50	....	41.4
Phillipsburg	Maximum	50	61	68	64	74	81	80	70	52	37	46	49	55	65	77	75	72	61	53	52	55	74	78	84	84	87	72	65	79	92	....	67.1
	Minimum	32	34	40	47	39	44	47	45	32	32	33	34	30	26	37	49	44	45	41	40	40	38	38	39	45	45	39	42	46	50	....	39.8
Plainfield	Maximum	52	62	70	67	67	80	83	72	53	38	46	50	56	64	78	73	71	64	57	54	55	73	79	84	79	86	68	59	74	92	....	66.9
	Minimum	31	34	44	44	40	45	51	50	33	32	33	34	33	29	39	49	44	46	41	41	40	40	41	41	45	49	41	41	42	52	....	40.8
Pleasantville§§	Maximum	56	64	76	77	81	82	84	66	68	42	50	52	56	59	78	83	68	64	59	53	55	64	69	67	66	75	58	56	68	83	....	66.0
	Minimum	31	32	44	44	33	47	47	54	45	37	37	33	27	21	41	52	44	48	37	39	39	33	33	31	37	36	38	41	43	43	....	38.9
Ridgefield*	Maximum	53	65	68	66	65	77	85	61	48	37	46	48	56	66	80	67	69	56	56	54	54	73	78	84	77	86	67	57	75	91	....	65.5
	Minimum	31	34	46	43	40	45	52	48	32	32	32	34	34	31	41	44	44	42	41	40	40	38	41	43	46	48	42	41	43	53	.. .	40.7
Runyon	Maximum	52	60	70	69	58	68	82	75	52	36	44	54	54	58	78	76	78	72	64	69	72	71	73	82	78	83	84	82	78	92	....	68.8
	Minimum	35	27	46	48	35	38	44	44	32	32	32	34	30	28	35	42	41	42	39	35	38	37	29	29	37	40	38	32	35	36	....	36.3
Sandy Hook‡	Maximum	50	59	63	60	50	61	75	59	47	39	47	47	53	60	72	58	62	55	55	53	53	60	70	73	65	74	54	48	67	83	....	59.1
	Minimum	35	39	45	44	42	45	47	47	33	35	35	38	37	40	40	44	44	44	43	43	42	45	46	48	48	49	44	43	44	53	.. .	42.7
Somerville(near)	Maximum	49	61	70	65	69	82	81	70	54	35	45	47	54	63	76	72	71	63	55	53	53	70	78	82	80	85	68	67	73	88	....	66.0
	Minimum	31	34	45	44	41	57	58	48	32	32	32	34	31	32	41	41	43	43	38	39	38	40	42	50	47	54	38	42	43	55	....	41.5
Sussex	Maximum	51	62	66	64	70	80	81	76	55	37	44	46	53	62	77	73	72	68	52	53	52	72	78	84	85	86	79	66	80	90	....	67.1
	Minimum	28	28	42	45	35	39	45	42	32	30	31	32	31	23	38	53	43	42	39	37	35	36	35	36	39	44	36	41	43	46	....	37.5
Trenton*	Maximum	51	61	70	65	77	86	82	69	50	40	45	48	53	63	77	75	70	60	52	51	54	71	76	82	82	85	65	62	69	90	....	66.0
	Minimum	35	38	47	44	43	49	60	50	33	35	35	36	35	34	41	44	44	43	41	42	41	44	46	47	50	50	43	42	44	55	....	43.0
Trenton No. 2*	Maximum	53	63	70	65	77	85	83	72	51	40	47	50	55	64	78	76	72	60	53	51	55	72	78	83	83	86	69	63	71	91	....	67.2
	Minimum	34	37	48	44	42	47	58	50	35	35	35	35	34	32	41	47	44	45	41	41	40	42	51	45	44	50	41	42	45	52	....	42.2
Tuckerton	Maximum	55	63	73	68	78	74	80	74	50	42	48	48	55	58	74	78	66	62	60	54	55	63	67	71	65	64	58	50	68	83	....	63.5
	Minimum	32	35	45	45	45	46	55	48	38	38	38	34	32	30	42	45	45	45	50	40	38	38	37	38	48	43	38	39	45	45	....	41.2
New York, N. Y.*	Maximum	50	58	67	63	60	69	79	65	52	41	46	45	55	61	75	67	65	61	54	51	51	68	75	76	69	80	62	52	71	87	. ..	62.5
	Minimum	34	38	48	45	41	55	61	48	35	35	33	35	36	39	45	45	44	44	42	40	41	44	52	54	55	51	44	42	45	58	....	44.3
Philadelphia, Pa.*	Maximum	50	60	72	66	79	87	80	70	52	41	47	49	55	62	76	78	70	60	53	50	55	72	76	82	84	86	68	65	68	88	....	66.7
	Minimum	37	41	49	52	44	55	61	52	36	36	37	37	37	41	45	45	45	45	43	42	44	46	52	53	56	52	43	42	47	56	....	45.7

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. **Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon.** Time indicated here is 75th meridian.

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.

TRENTON. N. J.

Vol. XLVII. May, 1942. No. 5.

GENERAL SUMMARY.

With respect to average temperature, this was one of the four warmest Mays of record in New Jersey. Heat waves were of short duration, however, the principal one being the last two days of the month. The 30th was unusually hot with readings well up in the 90's at most stations. The coldest morning was the 11th when a few northern stations recorded sub-freezing temperatures and killing frosts. Severe frosts occurred on several mornings in the cranberry bogs. Though the temperature averaged high, there was much cool, cloudy weather during the month.

Rainfall averaged only 65 percent of normal. It was much heavier in the highland section of the north where it was about normal. In the south and central portions it was light, being generally about half the normal amount. With this condition following an unusually dry April, vegetation in the south and central parts of the State was suffering for lack of rain before the close of the month. In the northern quarter, however, soil moisture was adequate; pastures and meadows continued good, as did also the condition of wheat and rye; the weather was favorable for planting of crops and by the close of the month, field corn was mostly planted and some above ground. Though rainfall averaged light, there was a large number of thundershowers during May. There was no wind damage of importance reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 43 stations, was 64.3°, which was 3.9° above normal. The highest temperature was 97° at North Merchantville on the 30th, and the lowest, 25°, at Layton on the 11th. The highest monthly mean temperature was 67.6° at North Merchantville, and the lowest, 59.2° at Barnegat City.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.5°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 2.41 inches, which was 1.27 inches below normal. The greatest monthly precipitation was 5.30 inches at Belvidere, and the least, 0.96 inch at Barnegat City. The greatest amount of precipitation in any 24 consecutive hours was 1.85 inches at Chatham on the 7th. The average for the Highlands was 3.79 inches, for the Red Sandstone Plain 2.53 inches, for the Southern Interior 1.85 inches, and for the Sea Coast, 1.78 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, −1.10 inches; Red Sandstone Plain, −2.75 inches; Southern Interior, −3.61 inches; Sea Coast, −3.72 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 2, 3, 7, 8, 9, 20, 21, 22, 23, 29.

Thunderstorms: 1, 2, 4, 6, 7, 8, 9, 12, 13, 16, 17, 21, 22, 23, 24, 25, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.06	30.35	6	29.73	7	15.1	33	se.	16	80	70	79	67
Long Branch	30.04	30.36	6	29.73	7	11.2	28	s.	12	75	53	68	54
Trenton	30.04	30.35	6	29.74	7	8.8	26	se.	22	77	48	59	67

COMPARATIVE DATA FOR MAY.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	57.3	90	29	2.74	0	......	......	......	......
1886	58.8	87	36	6.07	0	......	......	......	......
1887	63.3	94	35	1.37	0	6	......	......	......
1888	58.6	90	26	4.92	0	16	......	......	......
1889	62.3	94	32	4.09	0	12	......	......	......
1890	60.7	87	33	4.24	0	12	......	......	......
1891	59.5	93	28	2.97	0	9	9	11	11
1892	60.1	90	30	5.04	0	13	8	13	10
1893	59.4	95	29	4.07	0	10	13	8	10
1894	61.4	93	30	7.72	0	13	11	9	11
1895	60.9	102	28	2.85	0	8	12	12	7
1896	65.3	98	29	3.21	0	10	10	12	9
1897	60.6	87	29	5.68	0	12	11	12	8
1898	58.5	93	29	7.00	0	18	8	8	15
1899	61.1	94	29	1.92	0	9	12	12	7
1900	60.9	98	26	4.71	0	10	13	7	11
1901	58.6	90	29	5.60	0	16	9	9	13
1902	60.3	95	29	2.04	0	7	15	11	5
1903	62.7	98	21	0.59	0	4	16	10	5
1904	62.8	97	31	2.60	0	8	17	9	5
1905	61.4	89	22	1.71	0	8	12	11	8
1906	61.0	94	24	4.21	0	10	16	8	7
1907	55.4	91	22	5.05	0	12	12	9	10
1908	61.6	95	29	7.10	0	13	9	10	12
1909	60.0	91	27	2.30	0	9	10	11	10
1910	60.0	94	27	2.54	0	12	10	10	11
1911	64.5	99	22	1.37	0	7	14	11	6
1912	62.0	92	31	4.09	0	11	11	11	9
1913	60.3	94	25	3.45	0	9	15	7	9
1914	63.1	98	30	2.93	0	10	14	9	7
1915	58.1	88	30	3.82	0	13	13	7	11
1916	61.1	90	33	3.48	0	12	12	11	8
1917	54.0	90	25	3.83	0	11	10	10	11
1918	64.6	93	31	4.94	0	12	14	10	7
1919	60.9	95	31	4.98	0	12	14	6	11
1920	57.4	89	26	3.00	0	10	15	8	8
1921	60.2	96	32	4.17	0	10	14	7	10
1922	63.0	90	23	3.84	0	8	18	6	7
1923	59.1	90	25	1.66	0	6	20	6	5
1924	56.8	87	25	5.69	0	17	12	7	12
1925	57.7	99	23	2.86	0	8	13	11	7
1926	59.1	90	26	2.58	0	9	18	9	4
1927	58.1	88	30	3.65	0	13	9	10	12
1928	58.0	93	27	2.23	0	12	12	9	10
1929	59.9	95	26	3.49	0	13	13	8	10
1930	62.7	98	31	2.75	0	9	17	7	7
1931	60.4	97	21	3.73	0	12	14	6	11
1932	60.5	94	29	2.98	0	8	16	8	7
1933	63.2	93	32	4.84	0	13	11	8	12
1934	62.3	98	28	1.63	0	11	17	6	8
1935	57.8	95	27	1.71	0	9	15	7	9
1936	63.1	97	28	2.78	0	7	20	7	4
1937	62.5	96	28	3.12	0	10	17	9	5
1938	59.2	89	26	3.52	0	12	10	9	12
1939	63.3	99	25	1.43	0	6	16	8	7
1940	59.7	92	28	6.29	0	15	8	9	14
1941	62.6	99	23	1.86	0	9	17	9	5
1942	64.3	97	25	2.41	0	7	14	9	8
Period	60.4	102	21	3.68	0	11	13	9	9

Climatological Data for May, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	62.4	+4.3	90	31	48	11	1.45	−1.60	0.65	16–17	0	7	10	12	9	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§22	59.2	...	94	30	36	10	0.96	...	0.36	17	0	3	7	11	13	s.	U. S. Coast Guard.
Belleplain	Cape May	49	48	66.0	+5.2	92	30	35	11	1.80	−1.72	1.16	17	0	4	22	7	2	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	1.77	...	0.65	7–8	0	10	3	17	11	se.	Fred Fine.
Belvidere	Warren	289	51	65.0	+4.2	94	30	35	11	5.30	+1.76	1.30	7	0	9	12	10	9	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	1.90	...	1.10	16	...	3	19	10	2	...	Samuel H. McCulley.
Boonton	Morris	280	§52	62.0	+3.2	88	30	35	11	2.81	−0.89	1.27	7	...	8	16	0	15	ne.	John Kline.
Bridgeton	Cumberland	30	59	67.2	+3.8	95	1†	44	11	1.89	−1.38	0.89	17	0	7	22	4	5	se.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	1.64	...	1.10	16	0	4	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§56	66.4	+3.6	96	30	38	7†	2.52	−0.99	1.19	17	0	8	19	8	4	s.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	61.0	+2.3	89	30	32	6	3.20	−0.15	1.72	7	...	9	17	6	8	sw.	N. J. Water Policy Comm.
Cape May	Cape May	17	54	63.0	+4.4	89	30	52	2†	1.90	−1.09	0.92	16–17	0	5	10	16	5	s.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	61.3	+3.6	93	4	26	11	3.95	+0.07	1.34	7	0	7	11	9	11	w.	Newark Water Dept.
Chatham	Morris	185	38	...	...	...	...	...	...	3.27	−0.65	1.85	7	0	8	15	12	4	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	65.8	...	96	30	36	11	1.40	...	0.74	17	0	3	11	18	2	e.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	66.8	+5.2	94	30	41	11	1.22	−1.82	0.78	17	0	3	8	3	20	s.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	4.17	+0.34	1.00	17	0	8	...	...	...	...	L. S. Depue.
Dover	Morris	600	58	61.8	+3.1	88	30	32	11	3.16	−0.47	1.45	6–7	0	10	7	9	15	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	1.53	−2.68	0.75	16–17	0	8	18	9	4	ne.	Chas. E. Hall.
Elizabeth	Union	34	63	64.7	+2.9	92	30	36	11	2.84	−0.80	1.15	7	0	6	16	5	10	ne.	Union County Park Comn
Flemington	Hunterdon	140	§56	65.4	+4.0	96	30	38	11	1.45	−2.07	0.76	7	0	9	19	5	7	w.	Hiram E. Deats
Freehold	Monmouth	194	§38	65.0	+3.0	94	30	37	11	2.23	−1.49	0.78	17	0	8	21	6	4	se.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	66.8	+3.6	96	30	37	11	1.80	−1.81	0.83	17	0	7	16	6	9	se.	J. G. Wilson.
Hightstown	Mercer	110	49	64.4	+3.5	94	30	35	11	1.55	−2.06	0.67	7	0	8	14	12	5	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	65.7	+3.9	95	30	33	11	1.39	−1.95	0.63	17	0	6	11	17	3	s.	Edward Entwistle.
Jersey City	Hudson	81	44	65.9	+4.2	92	30	44	11	2.06	−1.39	1.03	7	0	8	9	10	12	se.	Jersey Journal.
Lakewood	Ocean	54	38	65.2	+4.8	93	30	37	11	3.57	+0.12	1.25	23	0	9	10	9	12	sw.	R. W. Holman.
Lambertville	Hunterdon	75	55	65.5	+4.5	94	30	33	11	1.84	−1.82	0.83	7	0	9	17	9	5	s.	George Bailey.
Layton(near)‡‡	Sussex	480	41	60.8	+3.1	90	30	25	11	4.23	+1.09	1.00	6–7	0	11	9	4	18	sw.	A. M. Depue.
Little Falls	Passaic	157	39	64.6	+4.3	91	30	34	11	3.22	−0.72	1.52	7	0	9	13	10	8	e.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	62.8	+4.3	94	30	46	6†	2.45	−1.40	1.00	7	0	10	9	14	8	s.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	61.6	...	89	30	30	11	3.62	+0.28	1.41	7–8	0	9	15	6	10	sw.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	1.81	...	1.34	17	0	6	14	10	7	sw.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	1.84	...	0.66	16–17	...	6	11	13	7	...	Paul Ritchie.
Moorestown	Burlington	62	79	65.6	+4.3	95	30	38	11	2.24	−1.28	1.06	17	0	7	6	16	9	s.	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	2.61	...	1.33	7	0	7	18	5	8	...	James C. Long.
Newark	Essex	10	43	64.8	+3.6	93	30	44	11	2.43	−1.44	1.12	6–7	0	10	6	11	14	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	64.9	+4.4	92	30	36	11	2.29	−1.37	0.79	6–7	0	7	15	8	8	se.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	3.00	−0.44	1.26	7	...	10	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	61.5^{a}	+2.0	85	30	32	11	4.20	+0.59	1.06	16–17	0	10	7	10	14	sw.	Irving J. Kern.
N. Merchantville	Camden	63	8	67.6	...	97	30	44	11	2.03	...	1.25	16–17	0	7	12	14	5	sw.	A. Reuleaux Heintze.
Orange	Essex	140	2	...	...	...	...	...	...	3.18	...	1.75	6–7	0	12	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	64.4	+2.9	91	30	36	11	3.49	−0.28	1.46	6–7	0	9	13	13	5	sw.	J. W. Cook.
Pemberton	Burlington	55	13	67.4	+4.4	96	30	39	11	1.15	−1.97	0.60	17	0	8	15	11	5	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	64.2^{b}	+3.1	92^{b}	30	36^{b}	11	4.21	+0.90	1.42	6–7	0	10	13	8	10	...	Town Engineer.
Plainfield	Union	120	54	64.5	+4.3	92	30	39	11	3.12	−0.61	1.28	7	0	7	7	15	9	se.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	2.36	...	0.96	18	0	5	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	63.7	+4.7	94	30	36	11	1.80	−1.38	1.52	17	...	6	21	6	4	s.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	2.05	...	0.90	7–8	0	5	14	10	7	se.	Louis Fontenelli.
Ridgefield	Bergen	80	25	64.4	+4.5	91	30	37	11	2.47	−1.00	1.39	6–7	0	8	12	11	8	se.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	62.4	+2.9	94	30	32	11	2.21	−1.21	0.87	21	...	5	20	7	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	62.6	+4.2	89	30	49	9†	2.16	−1.56	0.68	7	0	10	7	8	16	s.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	64.4	+3.9	85	3†	38	11	2.23	−1.31	1.11	7	0	6	16	7	8	se.	Richard H. Rogers.
Sussex	Sussex	450	47	62.5	+2.8	90	30†	29	11	3.91	+0.48	1.10	6–7	0	11	11	8	12	w.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	2.80	−1.55	1.12	7–8	0	8	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	70	65.8	+4.7	94	30	43	11	1.95	−1.13	1.24	16–17	0	7	8	13	10	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	66.2	...	95	30	40	11	2.06	...	1.21	16–17	0	6	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	64.0	+4.1	95	30	40	11	1.16	−2.28	0.62	17	0	7	17	8	6	s.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	1.10	−2.10	0.75	17	0	6	20	7	4	nw.	J. Davis Gauntt.
Westfield	Union	145	2	...	...	...	...	...	...	2.46	...	1.38	7–8	0	5	16	7	8	s.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	2.84	−0.62	1.27	7	...	10	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	1.97	...	0.80	17	...	4	24	5	2	s.	Geo. S. Keen
New York, N. Y.	...	10	72	64.1	+3.5	89	30	48	11	1.84	−1.40	0.94	6–7	0	10	9	10	12	se.	U. S. Weather Bureau
Philadelphia, Pa.	...	26	72	67.2	+4.3	93	30	48	11	1.82	−1.44	1.11	16–17	0	6	9	13	9	s.	U. S. Weather Bureau.
For the State	...	...	...	64.3	+3.9	97	30	25	11	2.41	−1.27	1.85	7	0	7	14	9	8	s.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, ^{b} represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y

W. B. O. Philadelphia-6-17-42-925

Errata

APRIL, 1942 Westfield, prevailing direction sw; Atlantic City, minimum temperature on 26th 49°, mean minimum 43.9°, monthly mean 51.7°; Paterson, maximum temperature on 1st 53°, minimum on 1st 30°, all other maximum and minimum temperatures one day later than published, mean maximum 66.4°, mean minimum 39.6°.

Daily Precipitation for May, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City¹‡	Coast				.30			.19		.27			.03	T.			.09	.56		T.	T.				T.	T.		.01				T.	1.45
Barnegat City⁴	Coast							.29		.31				T.				.36															0.96
Belleplain	Tuckahoe							.33		.27							T.	1.16					.04										1.80
Belmar	Coast	T.		T.	.01			.57	.08	.30			.04	T.			T.	37		.02		.06	.01	.31									1.77
Belvidere	Delaware	.18		T.			.15	1.30						.47			.30		1.00			.58	.86	.46								T.	5.30
Berlin	Mullica							.70		T.							1.10					.10											1.90
Boonton³	Passaic		T.	T.				1.27	.07	T.	.07			.15				.49				.02	.32	.42	T.								2.81
Bridgeton	Delaware				.02			.31	.03	.14								.89					.09					T.					1.89
Brooklawn	...do							.38		.06						T.	1.10			T			T.	.10				T.					1.64
Burlington	Delaware	.04			.08		.58	.48	.04									1.19				.08	.03										2.52
Canoe Brook³	Passaic							1.72	.06		.06			.04		.09		.70				.01	.32	.20									3.20
Cape May²‡	Coast				T.	T.		.81		.10			T.			T	.17	.75			T.	T.	.07		T.							T.	1.90
Charlotteburg	Passaic							1.34		.14				.21				.51				.65	.36	.74									3.95
Chatham³	..do							1.85	.05		.06		T.	.04		.02		.82					.20	.23									3.27
Chatsworth	Coast.							.50	T.	.16								.74															1.40
Clayton	Delaware							.20		.24								.78					T.										1.22
Culvers Lake	...do						.10	.95						.31			.06	1.00			T.	.70	.35	.70									4.17
Dover	Passaic						.15	1.30		.10			.43		.01			.46				.18	.42	.02								.09	3.16
Egg Harbor City²	Mullica				.02			.32		.31			.01				.15	.60					.07					.05					1.53
Elizabeth	Coast						T.	1.15		.31				T.				.80				.10	.18	.30									2.84
Flemington	Raritan	.08					T.	.76		.01				.13			.03	.32		T.		.07	.02	.03									1.45
Freehold	.do				T.			.55	.15	.43			.05					.78				.15	.09	.03									2.23
Hammonton	Mullica							.16	.28	.34			.03					.83					.11						.05			T.	1.80
Hightstown	Raritan	.04			.01			.67		.07			.04				T.	.51		T	T.	.18	.03	T.									1.55
Indian Mills	Mullica				T.			.50		.11			T.				T.	.63				T.	.07	.07				.01					1.39
Jersey City	Coast	T.	T.		T.		T.	1.03	.09	.23			T.	.02			T.	.50	T.	T.	T.	.01	.07	.11	T								2.06
Lakewood	Metedeconk			T.	.12			.65	.16	.42								.55		.04		.20	.18	1.25									3.57
Lambertville	Delaware	.05		T.			T.	.83		.01				.02			.03	.78			T.	.03	.07	.02									1.84
Layton(near)	....do						.16	.84					.28	.25			.20	.75			.06	.77	.45	.44								.03	4.23
Little Falls³	Passaic							1.52	.03		.17			.02		.01		.61				.01	.02	.83									3.22
Long Branch²‡	Coast	T.			.10		T.	1.00		.28			.03				.14	.30		.01		.04	.08	.47									2.45
Long Valley³	Raritan		T.					1.30	.11		.03			.36				.61				.06	.83	.30				.02					3.62
Marlton	Delaware.							.15	.23		.02							1.34						.05				.02					1.81
Millville²‡	Maurice							.46		.12							.38	.28					.02									.58	1.84
Moorestown³	Delaware			T.	T			.35	.33		.11							1.06					.28	.04				.07					2.24
Morris Plains	Passaic	T.						1.33		.06				.15	T.			.52	T.			.10	.15	.30							T.	T.	2.61
Newark¹	Coast	T.		T.	T.		.05	1.07		.35			T.	.01			.02	.70	T.	.01	T.	.03	.10	.09				T.				T.	2.43
New Brunswick	Raritan			T.	T.		.01	.78		.10					.01			.76				.58	.05	T.									2.29
New Milford²‡	Hackensack						.26	1.26		.19			.03	.01				.66		.03		.04	.06	.46									3.00
Newton	Delaware																																.....
N. Merchantville²‡	Delaware	T.		T.	T.		T.	.59		.09			T.	T.		T.	.96	.29		T.	T.		.04	.04				.02					2.03
Orange²‡	Passaic						.48	1.27		.28			.01	.02	18		.01	.58			.01	.09	.12	.13									3.18
Paterson³	Passaic						.16	1.30		.27			.02	T.	T.		.01	.70			T.	.02	.23	.78								T.	3.49
Pemberton	Delaware	T.		T.	T.			.28	.04	.07							T.	.60		01		.05	.08	.02									1.15
Phillipsburg	....do	T.			T.		.04	1.38		T.	T.		.12	.23		T.	.56	.38		T.	.03	.84	.15	.48								T.	4.21
Plainfield	Raritan	T.			T.		T.	1.28		.12				.05	T.		T.	.84			T.	.68	.14	.01				T.					3.12
Plainsboro	Delaware	T.						.61	.01	.01									.96	T.		.77	T.	T.									2.36
Pleasantville³	Coast					T.		.01	.04		.18		.03					1.52						T.				.02	T.				1.80
Rahway³‡	Rahway							*	.90		.25							.60						.30									2.05
Ridgefield²	Hackensack				T.		.09	1.30		.22				.03			T.	.53			T.	.05	.02	.23								T.	2.47
Runyon	Coast							.64		.18								.37				.87	.15										2.21
Sandy Hook²‡	Coast	T.			.10		.04	.68	.01	.25				T.			.11	.46				.03	.01	.47				T.				T.	2.16
Somerville(near)	Raritan							1.11		.11				.07			T.	.66				.16	T.	.12									2.23
Sussex	Hudson	.20					.10	1 00		.02			T.	.35			.11	.78			.02	.43	.13	.77									3.91
Toms River	Coast			.45				.90	.22	.42							.02	.32		.30			.17										2.80
Trenton¹‡	Delaware	T.			T.		.56		.05			.01	T.			.25	.99	T.	T.	T.	.08	.01	T.									T.	1.95
Trenton No. 2²	Delaware	T.			T.		T.	.63		.06			T.	T.			.25	.96	T.	T.	T.	.14	.02										2.06
Tuckerton	Coast							.09	.06	.32			.03					.62					.02	.02									1.16
Vineland³	Maurice				.03			.20	.05	.03								.75					.04									T.	1.10
Westfield³‡	Rahway							1.27	.11							.20		.76					.12	T.									2.46
Woodcliff Lake²‡	Hackensack						.23	1.27		.16			.04	.01				.68		.02		.03	.02	.38									2.84
Woodstown	Delaware							.22		.30								.80						.65									1.97
New York, N. Y¹‡	Coast	.01			T.		.04	.90	T.	.20			T.	.02			.05	.39	T.	T.	T.	.15	.01	.07									1.84
Phila., Pa¹‡	Delaware	T.		T.	T.		T.	.61		.08			T.	T.		T.	.93	.18		T.	T.	T.	T.	.01			.01	T					1.82

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. ¹ Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. ⁴ Precipitation is from 1:30 a. m. to 1:30 a .m. ² Precipitation for period from midnight to midnight. ³ Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook³	Evaporation	....	.128	.144	.192	.224	.024	.012	.064	.012	.192	.176	.168	.192	.186	.160	.012	.112	.160	.064	.106	.048	.072	.128	.192	.160	.192	.176	.192	.144	.176	.128	4.067
	Wind movement	19	18	12	21	12	12	1	3	13	5	16	24	9	10	25	18	5	4	2	6	13	25	7	4	4	4	8	4	4	6	9	323
Pleasantville³	Evaporation	.272	.160	.224	.128	.288	.170	.040	.096	.004	.288	.222	.224	.256	.256	.256	.240	.208	.288	.064	.192	.256	.160	.256	.224	.272	.276	.128	.288	.224	.224	.320	6.504
	Wind movement	65	43	146	7	56	78	66	53	3	129	31	112	86	69	106	89	46	31	35	72	86	107	33	49	33	53	15	44	74	63	47	1927
Runyon	Evaporation	.180	.180	.210	.210	.210	.160	.160	.060	.060	.150	.200	.255	.260	.240	.240	.240	.100	.160	.180	.180	.120	.090	.180	210	.225	.225	.225	.225	.235	.250	.250	5.870
	Wind movement	30	41	33	30	21	13	14	14	11	25	30	59	30	32	32	65	13	14	12	13	15	32	26	31	16	13	12	12	26	32	25	772

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. ³ Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for May, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	78	60	70	69	71	58	63	60	56	72	61	64	65	68	66	65	72	64	64	65	70	67	74	72	74	78	79	67	68	84	90	68.8
	Minimum	52	53	55	57	57	51	54	50	50	49	48	54	57	57	57	58	56	54	56	55	62	61	60	61	57	52	62	58	57	62	60	55.9
Barnegat City‡	Maximum	71	66	67	74	68	64	62	58	62	70	59	64	64	64	65	62	63	60	68	64	69	68	73	70	75	78	75	66	68	94	84	68.2
	Minimum	47	50	47	54	48	46	52	48	42	36	38	52	52	43	47	52	52	48	53	53	56	52	54	53	54	53	59	53	47	61	58	50.3
Belleplain	Maximum	87	85	89	87	87	72	75	70	68	75	74	80	84	82	81	79	78	77	76	79	83	82	81	79	77	77	80	80	82	92	91	80.3
	Minimum	59	49	51	62	54	41	49	45	49	45	35	48	60	54	52	56	53	47	55	54	64	61	60	51	50	50	45	53	36	58	61	51.8
Belvidere	Maximum	88	80	88	85	75	71	62	67	66	68	73	85	85	85	82	73	75	79	70	72	72	74	76	76	69	70	79	81	86	94	89	77.3
	Minimum	51	50	53	62	48	41	46	43	50	49	35	51	57	57	54	58	54	46	58	61	64	63	59	48	47	46	56	46	50	61	68	52.6
Boonton§§	Maximum	82	72	86	80	71	69	58	63	55	64	67	80	81	82	78	69	55	74	66	76	71	69	74	73	72	75	76	77	80	88	83	73.1
	Minimum	54	44	50	55	51	36	45	46	50	50	35	40	51	54	49	53	55	48	55	58	59	62	61	51	48	48	54	49	44	54	66	50.8
Bridgeton	Maximum	95	87	90	81	75	72	75	70	68	71	74	84	88	84	80	73	71	77	75	79	85	74	82	78	78	77	82	83	83	95	94	80.0
	Minimum	59	51	55	62	54	45	52	48	50	45	44	49	62	60	54	62	54	51	56	56	63	64	55	54	52	50	59	50	47	60	64	54.4
Burlington	Maximum	89	82	87	81	83	77	64	62	62	68	74	85	87	86	82	75	76	78	75	84	86	75	78	78	77	78	84	84	86	96	92	79.7
	Minimum	55	50	52	54	53	45	38	38	38	38	41	50	62	78	52	57	55	52	56	57	65	62	61	52	53	50	59	53	46	59	68	53.2
Canoe Brook§§	Maximum	80	75	86	79	74	65	59	61	58	66	63	79	84	80	76	75	69	74	67	76	72	64	83	75	71	73	76	73	80	89	73	73.4
	Minimum	47	40	40	55	48	32	41	40	50	49	38	39	54	51	47	56	54	42	55	57	57	61	60	59	42	42	49	40	41	58	62	48.6
Cape May.*	Maximum	81	62	79	74	72	58	64	64	59	70	60	64	66	66	64	62	69	64	63	66	69	66	75	73	71	77	75	66	67	89	87	69.1
	Minimum	54	52	56	58	55	53	56	52	53	53	55	53	58	58	58	58	56	54	57	55	61	61	60	61	59	58	61	58	55	61	61	56.8
Charlotteburg	Maximum	87	73	86	93	82	67	65	62	58	63	68	78	82	81	79	73	70	73	69	73	72	69	75	75	71	74	76	75	81	87	87	75.0
	Minimum	50	40	52	59	47	34	46	47	42	47	26	48	60	50	44	40	50	45	48	50	58	60	58	43	40	40	49	40	39	61	62	47.6
Chatsworth	Maximum	89	75	88	85	76	74	72	66	61	69	71	85	89	85	80	76	70	77	78	82	86	70	81	80	77	77	81	76	87	96	87	78.9
	Minimum	52	49	49	65	53	38	54	48	50	47	36	46	63	64	49	58	55	50	52	56	64	60	67	49	53	48	53	49	38	56	66	52.8
Clayton	Maximum	91	87	89	83	86	72	72	72	64	69	74	83	85	84	79	74	72	76	75	81	84	77	78	76	76	76	82	80	83	94	93	79.6
	Minimum	60	50	52	62	53	44	52	47	50	43	41	50	63	58	52	59	55	50	56	58	64	63	63	52	53	50	57	52	44	56	68	54.1
Dover	Maximum	82	71	84	80	71	67	61	63	54	64	67	78	81	80	75	67	70	72	64	73	71	67	72	73	71	73	75	72	80	88	82	72.5
	Minimum	54	46	53	63	48	39	44	47	48	46	32	44	58	56	50	56	52	46	56	57	61	61	55	48	47	47	60	45	47	62	59	51.2
Elizabeth	Maximum	84	66	87	88	78	72	58	68	67	73	73	83	89	84	78	70	77	84	69	73	74	69	79	81	74	81	81	77	86	92	85	77.4
	Miuimum	53	47	53	57	49	38	46	44	49	48	36	44	59	56	53	56	56	51	59	57	61	61	61	49	48	49	53	50	45	58	66	52.0
Flemington	Maximum	87	75	91	83	77	74	64	64	64	65	76	83	87	84	75	74	71	79	72	82	75	73	74	75	76	75	80	77	87	96	87	77.5
	Minimum	53	48	54	59	50	40	47	47	51	51	38	50	61	55	50	54	55	48	59	59	64	63	63	49	51	47	55	50	46	61	71	53.2
Freehold	Maximum	84	71	84	84	84	76	63	64	59	67	68	82	87	87	78	72	73	78	73	80	80	76	78	78	75	77	80	75	86	94	91	77.5
	Minimum	57	47	50	64	50	41	48	46	49	47	37	43	62	59	56	58	54	48	56	55	64	60	61	51	52	48	55	49	43	58	59	52.5
Hammonton	Maximum	89	82	91	85	77	73	73	71	67	71	74	85	88	86	80	74	77	80	79	82	87	75	81	79	76	78	83	78	81	96	94	80.4
	Minimum	55	48	50	65	52	40	51	46	50	45	37	48	63	68	51	58	54	49	52	55	67	61	61	53	50	48	57	50	42	59	67	53.3
Hightstown	Maximum	80	75	85	81	75	70	64	65	58	67	71	82	85	83	77	75	74	75	71	82	79	73	77	76	73	77	82	78	84	94	84	76.5
	Minimum	54	47	51	62	50	39	48	46	50	48	35	47	62	58	53	56	54	48	56	56	65	61	61	51	49	46	55	47	46	59	64	52.4
Indian Mills(near)	Maximum	87	78	88	85	75	69	71	66	62	69	74	84	87	84	78	73	73	79	77	82	85	74	79	77	73	77	83	78	84	95	92	78.6
	Minimum	55	48	52	66	53	37	51	48	50	48	33	49	64	59	52	58	55	47	57	56	65	62	62	50	50	47	55	50	38	56	63	52.8
Jersey City	Maximum	79	67	80	83	81	69	60	65	62	68	65	73	84	80	74	64	71	72	69	70	71	75	79	73	75	78	80	77	77	92	90	74.3
	Minimum	56	54	54	67	54	49	48	54	50	52	44	55	66	64	59	59	57	53	59	58	64	63	61	59	57	56	66	54	54	65	70	57.5
Lakewood	Maximum	85	69	89	85	81	69	66	65	62	70	65	83	89	83	78	71	74	74	73	80	83	72	79	79	78	76	80	74	82	93	89	77.3
	Minimum	57	49	51	63	52	40	50	47	50	48	37	46	62	59	51	58	56	49	52	56	64	62	61	51	53	51	55	50	44	60	64	53.2
Lambertville	Maximum	89	80	88	85	83	74	64	65	63	69	72	82	85	83	80	75	75	76	72	79	83	76	75	75	73	76	82	82	78	94	91	78.2
	Minimum	52	48	53	63	51	38	48	43	52	51	33	53	60	57	52	59	55	45	58	59	66	64	63	48	47	45	54	44	49	59	67	52.8
Layton(near)	Maximum	83	76	86	83	74	68	61	61	63	63	68	78	81	82	75	68	72	75	66	72	66	69	73	73	67	75	75	75	82	90	85	73.7
	Minimum	50	42	50	60	38	33	45	46	46	43	25	42	52	52	47	60	51	30	58	60	58	60	52	44	41	42	50	39	44	64	62	47.9
Little Falls§§	Maximum	80	78	90	83	80	70	60	65	59	68	67	80	89	83	77	78	73	76	69	76	72	71	78	76	74	78	79	78	84	91	81	76.2
	Minimum	55	46	54	60	51	39	46	48	50	49	34	45	59	75	51	50	56	48	59	58	61	63	61	49	48	49	54	46	47	65	66	53.0
Long Branch*	Maximum	74	62	79	81	74	62	60	59	52	69	62	72	83	80	71	64	71	67	66	69	75	68	75	72	73	76	81	69	74	94	76	71.3
	Minimum	52	50	52	62	52	46	50	49	49	48	46	52	63	57	53	56	57	55	57	57	60	61	56	54	55	52	57	54	47	62	61	54.3
Long Valley§§	Maximum	85	76	87	82	74	69	64	65	61	66	69	80	82	84	76	70	71	76	65	74	76	72	74	75	72	75	78	80	82	89	85	75.3
	Minimum	48	43	51	52	43	36	40	41	47	48	30	42	54	50	47	49	51	44	55	56	56	60	59	43	44	47	51	47	44	46	60	47 9
Moorestown*	Maximum	87	80	86	84	75	70	69	64	61	68	71	82	83	87	80	74	71	77	74	82	83	74	74	75	74	75	79	78	84	95	88	77.6
	Minimum	60	49	53	62	60	40	48	49	50	49	38	51	64	58	52	56	54	50	56	58	57	62	56	52	53	52	60	51	45	59	60	53.7
Newark*	Maximum	79	68	86	85	76	65	59	64	54	68	63	82	87	80	74	66	71	73	68	69	73	70	79	78	75	76	80	74	85	93	82	74.3
	Minimum	53	50	54	61	53	47	48	50	50	50	44	51	63	61	56	59	57	54	58	58	64	62	59	54	53	56	59	55	50	61	63	55.3
New Brunswick	Maximum	88	65	85	83	80	72	57	65	62	67	68	82	85	84	82	72	71	72	68	77	75	73	76	75	72	76	79	75	82	92	91	75.8
	Minimum	55	48	52	62	51	41	47	47	49	48	36	46	62	52	75	56	54	50	57	56	63	61	61	52	61	49	56	51	47	59	70	54.0
Newton	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
N. Merchantville*	Maximum	90	84	89	84	76	72	70	65	66	71	75	84	86	85	81	74	76	78	76	84	87	75	78	78	72	78	82	83	85	97	90	79.7
	Minimum	56	50	54	67	54	46	49	49	51	49	44	54	64	60	55	57	54	53	57	58	67	64	58	56	55	54	60	53	50	61	61	55.5
Paterson§§	Maximum	82	74	90	85	75	70	60	65	55	68	67	79	87	84	77	69	75	75	72	77	71	72	79	77	75	78	80	78	85	91	81	75.9
	Minimum	60	49	53	54	51	41	45	46	49	48	36	46	53	60	54	57	54	51	57	57	59	62	60	52	50	50	57	57	49	56	67	52.9
Pemberton	Maximum	87	77	89	86	83	75	71	70	64	71	75	84	87	86	81	77	75	78	76	83	86	81	79	78	77	79	83	79	85	96	94	80.4
	Minimum	56	49	52	65	53	43	50	48	51	49	39	50	64	59	54	58	55	53	56	56	65	62	62	52	52	49	58	53	44	59	68	54.3
Phillipsburg	Maximum	84	78	89	85	77	67	61	63	65	69	73	82	85	83	79	71	73	76	69	70	74	72	....	....	75	76	77	79	85	92	86	76.4^b
	Miuimum	52	51	53	60	41	39	46	44	50	49	36	49	56	56	53	58	53	54	57	60	62	63	....	....	50	48	54	46	49	59	63	52.1^b
Plainfield	Maximum	81	69	86	84	76	70	58	65	57	69	69	83	86	83	79	71	72	75	67	77	75	71	78	76	73	77	81	76	83	92	82	75.5
	Minimum	56	49	54	61	52	42	48	48	50	49	39	46	61	57	52	57	55	49	59	58	61	61	62	51	51	51	57	51	48	61	62	53.5
Pleasantville§§	Maximum	79	65	89	80	73	61	67	64	59	75	64	70	75	75	74	70	75	68	70	69	77	71	81	79	76	78	82	69	71	94	90	73.9
	Minimum	50	52	53	58	56	42	52	43	51	47	36	53	59	57	56	62	56	51	57	56	58	64	61	53	52	49	54	55	37	59	69	53.5
Ridgefield*	Maximum	79	72	87	87	75	69	60	64	52	69	66	75	86	81	75	68	71	73	70	72	72	76	74	78	75	77	78	77	82	91	74	74.4
	Minimum	54	49	54	63	51	42	47	52	50	47	37	50	62	61	57	60	56	50	59	58	64	63	61	52	50	53	57	60	52	63	58	54.3
Runyon	Maximum	86	73	86	85	76	72	76	68	56	69	77	84	88	86	83	79	73	73	77	79	78	83	79	78	82	82	82	79	88	94	90	79.4
	Minimum	45	45	42	38	35	33	45	42	41	47	32	43	63	45	46	46	53	43	48	50	45	59	46	45	44	44	42	40	36	55	72	45.5
Sandy Hook‡	Maximum	74	58	75	78	71	60	56	59	51	66	59	70	79	73	68	63	68	66	65	67	72	67	73	74	73	75	77	68	75	89	75	69.2
	Minimum	51	51	51	61	52	51	50	51	49	49	50	54	61	58	55	57	58	57	57	57	61	62	61	59	59	58	63	57	55	64	61	56.1
Somerville(near)	Maximum	82	73	85	82	75	68	60	65	56	66	70	82	83	84	80	71	71	77	66	73	79	71	77	75	72	78	78	78	83	85	84	75.1
	Minimum	61	49	53	63	49	40	46	45	50	49	38	49	60	60	57	57	53	48	56	57	63	62	61	61	52	50	58	48	49	60	57	53.6
Sussex	Maximum	86	76	85	83	78	70	58	64	58	64	68	79	83	83	77	75	70	76	74	76	68	71	75	73	70	76	76	76	82	90	90	75.2
	Minimum	53	44	51	59	44	38	45	48	46	45	29	44	56	53	48	58	53	41	58	59	57	59	58	45	44	42	53	41	47	61	64	49.8
Trenton*	Maximum	82	76	86	82	74	68	65	64	60	67	71	82	84	83	77	73	73	74	72	80	83	74	76	75	70	75	80	76	82	94	83	76.2
	Minimum	54	50	52	66	53	48	48	49	49	49	43	53	63	61	57	58	55	53	56	58	65	63	60	56	55	52	60	54	52	62	60	55.3
Trenton No. 2*	Maximum	84	78	88	84	76	70	64	65	62	68	72	83	86	84	79	73	75	77	72	82	83	76	77	77	72	77	82	78	84	95	86	77.7
	Minimum	58	49	53	65	52	44	49	48	50	47	40	53	63	62	56	58	55	51	56	57	66	63	62	54	53	50	59	51	51	62	62	54.8
Tuckerton	Maximum	80	63	84	80	73	63	68	65	60	73	65	72	78	78	73	70	73	70	69	73	78	70	80	78	75	80	83	75	75	95	90	74.5
	Minimum	54	42	51	58	54	42	52	47	50	48	40	51	60	58	55	58	58	50	58	56	62	60	60	55	52	48	58	58	42	60	63	53.5
New York, N. Y.*	Maximum	77	64	78	80	74	64	60	66	52	66	62	74	83	79	70	65	70	71	70	70	69	69	77	73	73	76	77	71	76	89	80	71.8
	Minimum	55	53	54	66	52	49	48	50	48	49	48	54	64	64	59	58	55	54	56	57	62	61	60	60	57	55	61	59	56	64	61	56.4
Philadelphia, Pa.*	Maximum	89	82	87	82	75	69	70	64	62	69	72	82	83	83	77	72	72	74	72	81	84	73	74	74	68	76	80	80	81	93	89	77.1
	Minimum	57	52	55	68	55	51	50	50	49	49	48	54	65	62	58	59	55	55	57	58	67	64	64	59	58	55	61	57	55	64	61	57.2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

VOL. XLVII. JUNE, 1942. No. 6.

GENERAL SUMMARY.

The temperature average for the State was less than a degree above normal. The principal excess was in the southern part of the State where some stations averaged as much as 3° above normal. There were no long hot periods. High readings were recorded on the 13th, 20th, and 21st, the highest reached being 96°. Almost one-third of the stations, however, did not have a temperature of 90° during the month, which is unusual for June. There was no unusually cool period. On the whole, the weather of the month was pleasant.

Rainfall averaged 81 percent of the normal amount. It was much heavier in the Highland and Red Sandstone Plain areas where it was almost normal, and was generally light over the southern part of the State, though Clayton and Hammonton recorded above normal. All months since July, 1941, have been deficient in precipitation except December and March, and and the accumulated deficiency since August 1, 1941, for the State, is 12.31 inches. Rainfall was well-distributed throughout June and was generally adequate for crop growth in the northern and central counties. In south Jersey, however, crops suffered considerably from lack of moisture. The potato crop in central counties developed well, and corn in central and northern areas was in excellent condition; good yields of hay were also secured. No destructive storms were reported in June.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 69.8°, which was 0.8° above normal. The highest temperature was 96° at Canoe Brook on the 13th, and the lowest, 41°, at Charlotteburg on the 10th. The highest monthly mean temperature was 73.4° at Bridgeton, and the lowest, 65.8° at Canoe Brook.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.4°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 3.11 inches, which was 0.72 inch below normal. The greatest monthly precipitation was 6.98 inches at Layton, and the least, 1.22 inches at Woodstown. The greatest amount of precipitation in any 24 consecutive hours was 3.11 inches at Toms River on the 13th. The average for the Highlands was 4.18 inches, for the Red Sandstone Plain 3.48 inches, for the Southern Interior 3.11 inches, and for the Sea Coast, 2.09 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, −1.16 inches; Red Sandstone Plain, −3.12 inches; Southern Interior, −4.21 inches; Sea Coast, −5.06 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 4, 5, 8, 9, 10, 11, 12, 13, 14, 27, 28, 29, 30.
THUNDERSTORMS: 1, 4, 5, 7, 8, 11, 12, 13, 14, 17, 19, 20, 21, 22, 23.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.97	30.34	26	29.55	14	12.6	28	n.	12	82	71	77	51
Long Branch	29.96	30.34	26	29.55	14	10.2	29	s.	7	83	55	68	53
Trenton	29.96	30.33	26	29.58	14	7.4	22	nw.	14	81	56	65	62

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	68.7	97	39	1.79	0	......	......	......	......
1886	67.1	91	41	3.38	0	......	......	......	......
1887	68.2	97	42	6.77	0	10	......	......	......
1888	70.8	99	39	2.59	0	6	......	......	......
1889	69.9	91	40	3.73	0	10	......	......	......
1890	70.7	95	42	3.59	0	7	11	13	6
1891	69.7	102	38	2.92	0	5	14	9	7
1892	72.4	98	44	3.85	0	11	10	12	8
1893	69.7	103	40	2.95	0	8	10	11	9
1894	70.6	102	35	2.28	0	9	14	11	5
1895	71.7	103	39	3.24	0	10	11	11	8
1896	68.1	96	37	5.46	0	10	12	10	8
1897	66.1	95	35	3.38	0	10	10	13	7
1898	70.1	100	38	2.10	0	8	14	12	4
1899	72.3	103	38	2.50	0	7	15	10	5
1900	70.4	97	39	3.08	0	8	12	12	6
1901	70.0	103	35	**1.57**	0	5	18	8	4
1902	67.5	99	37	6.57	0	11	14	11	5
1903	**64.0**	92	37	7.68	0	15	6	10	14
1904	68.6	100	34	3.13	0	12	13	10	7
1905	68.3	96	35	3.43	0	10	11	12	7
1906	70.4	98	38	4.48	0	12	11	11	8
1907	64.7	96	31	4.41	0	10	12	10	8
1908	69.9	99	35	2.32	0	4	16	12	2
1909	70.0	99	36	3.26	0	12	9	10	11
1910	66.9	95	34	5.17	0	13	9	10	11
1911	68.9	97	40	5.36	0	14	9	12	9
1912	68.0	98	33	1.94	0	8	9	12	9
1913	69.1	98	31	1.80	0	5	19	8	3
1914	68.5	98	35	2.66	0	7	16	9	6
1915	67.0	95	37	3.12	0	11	13	10	7
1916	64.7	87	36	4.20	0	13	10	9	11
1917	68.9	95	40	4.27	0	12	13	10	7
1918	66.3	96	32	3.43	0	8	15	9	6
1919	69.5	99	38	3.16	0	8	16	7	7
1920	68.4	98	38	6.18	0	12	13	9	8
1921	70.4	100	33	3.23	0	8	18	7	5
1922	71 1	95	39	6.31	0	15	12	9	9
1923	72.5	**106**	37	2.08	0	7	18	8	4
1924	66.8	95	30	4.20	0	13	11	11	8
1925	**73.6**	103	36	3.10	0	9	17	9	4
1926	64.9	97	31	2.60	0	11	12	9	9
1927	65.4	97	31	3.16	0	10	15	9	6
1928	66.6	93	36	6.75	0	15	10	9	11
1929	69.5	98	33	3.11	0	9	15	9	6
1930	70.8	98	30	4.17	0	8	16	8	6
1931	69.3	101	40	4.84	0	10	16	7	7
1932	69.3	98	30	3.68	0	10	13	8	9
1933	71.0	105	32	2.79	0	9	17	8	5
1934	72.6	103	38	3.68	0	7	16	9	5
1935	68.9	96	38	4.64	0	13	14	8	8
1936	69.1	99	38	4.93	0	12	12	7	11
1937	70.5	99	41	4.66	0	13	11	9	10
1938	67.2	96	**29**	**7.79**	0	13	11	9	10
1939	70.8	99	35	3.55	0	10	12	9	9
1940	68.6	95	32	3.28	0	10	12	9	9
1941	69.4	98	37	5.09	0	9	15	7	8
1942	69.8	96	41	3.11	0	11	11	9	10
Period	69.0	106	29	3.83	0	10	13	10	7

Climatological Data for June, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	70.4	+3.8	92	21	55	2	1.46	−1.58	0.55	26-27	0	12	4	13	13	s.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§22	68.0	......	90	23	52	2	1.36	......	0.47	12	0	6	4	11	15	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	48	......	......	......	......	48	26	2.03	−1.41	1.14	14	0	4	11	14	5	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	......	......	......	......	......	......	2.09	......	0.70	12	0	11	3	16	11	s.	Fred Fine.
Belvidere	Warren	289	51	70.2	+0.8	91	13	51	2†	4.80	+0.80	1.30	14	0	15	14	6	10	......	Miss C. S. Hixson.
Berlin	Camden	70	....	......	......	......	......	......	......	2.48	......	0.90	12†	......	7	21	7	2	......	Samuel H. McCulley.
Boonton	Morris	280	§52	67.7	+0.2	90	13	48	10	3.62	−0.34	1.15	20	......	16	14	0	16	ne.	John Kline.
Bridgeton	Cumberland	30	59	73.4	+1.3	95	13	53	2	1.69	−2.23	0.51	27	0	8	16	6	8	se.	Bennett K. Matlack
Brooklawn	Camden	30	....	......	......	......	......	......	......	1.99	......	0.90	27	0	8	....	....	....	......	C. D. Scott.
Burlington	Burlington	12	§56	70.3	−1.1	92	7	45	15	3.23	−0.46	0.94	22-23	0	11	19	4	7	sw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	65.8	−1.5	96	13	46	6†	3.28	−1.22	0.78	22-23	0	13	14	3	13	ne.	N. J. Water Policy Comm.
Cape May	Cape May	17	54	70.1	+2.4	90	21	57	2†	1.67	−1.37	0.44	27	0	9	6	16	8	s.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	66.4	+0.8	89	13	41	10	3.03	−1.43	0.81	1	0	12	13	5	12	w.	Newark Water Dept
Chatham	Morris	185	38	......	......	......	......	......	......	3.75	−0.21	0.65	23	0	14	13	7	10	......	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	71.2	......	93	13†	48	26	3.98	......	2.97	12	0	8	12	13	5	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	72.6	+3.0	92	13	53	2†	5.38	+1.64	1.78	12	0	6	10	2	18	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	......	......	......	......	......	......	4.57	+0.13	1.10	8	0	11	....	....	....	......	L. S. Depue.
Dover	Morris	600	58	67.2	+0.2	86	13	48	2	3.53	−0.90	0.82	20	0	16	2	16	12	......	William C. Harris
Egg Harbor City	Atlantic	63	20	......	......	......	......	......	......	3.68	+0.17	1.43	12	0	11	14	7	9	ne.	Chas. E. Hall.
Elizabeth	Union	34	63	70.4	−0.2	93	29	51	2	5.03	+1.43	1.60	7-8	0	13	13	4	13	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§56	71.1	+1.2	91	6†	52	2	3.42	−0.19	0.65	23	0	14	15	2	13	nw.	Hiram E. Deats
Freehold	Monmouth	194	§38	70.2	−0.3	90	20	51	24	2.58	−1.03	0.53	13	0	11	14	7	9	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	......	......	94	1†	......	......	4.33	+0.57	1.39	12	0	10	11	11	8	sw.	J. G. Wilson.
Hightstown	Mercer	110	49	70.2	+1.0	93	13	51	24	2.51	−1.25	0.55	4	0	13	10	9	11	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	70.8	+0.8	94	20	47	26	1.50	−2.43	0.51	27	0	10	9	13	8	nw.	Edward Entwistle.
Jersey City	Hudson	81	44	71.5	+0.5	89	20	52	3	4.23	+0.45	0.97	7	0	14	8	10	12	n.	Jersey Journal.
Lakewood	Ocean	54	38	70.4	+1.6	90	20	51	26	2.25	−1.76	0.95	14	0	7	9	10	11	sw.	R. W. Holman.
Lambertville	Hunterdon	75	55	70.7	+1.2	90	20	49	24	2.59	−1.17	1.03	8	0	12	12	11	7	s.	George Bailey.
Layton(near)‡‡	Sussex	480	41	67.5	+1.4	88	13†	45	6	6.98	+2.45	2.89	7-8	0	16	11	5	14	sw.	A. M. Depue.
Little Falls	Passaic	157	39	69.4	+0.2	89	13†	51	2†	3.11	−0.91	0.84	20	0	18	13	7	10	ne.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	69.2	+1.5	88	20†	54	6†	2.43	−1.43	1.16	12	0	12	6	11	13	nw.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	66.2	......	87	7†	46	10†	3.81	−0.70	1.47	14-15	0	13	15	6	9	sw.	Arthur Barkman.
Marlton	Burlington	90	....	......	......	......	......	......	......	3.55	......	1.34	27	0	10	11	7	12	sw.	David Griscom.
Millville	Cumberland	60	1	......	......	......	......	......	......	2.23	......	1.12	14	......	11	9	8	13	......	Paul Ritchie.
Moorestown	Burlington	62	79	71.0	+0.8	90	7†	52	7†	1.24	−2.54	0.27	8	0	11	12	7	11	n.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	......	......	......	......	......	......	3.25	......	0.72	20	0	13	16	5	9	......	James C. Long.
Newark	Essex	10	43	70.4	+0.8	91	7	52	3	3.39	−1.13	0.79	7-8	0	15	4	12	14	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	69.8	+0.5	89	7†	51	3	3.60	−0.08	0.76	8	0	12	13	5	12	se.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	......	......	......	......	......	......	2.36	−1.66	1.05	7	......	10	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	59	67.2	−0.7	89	13†	43	2	3.62	−0.86	1.02	23	0	12	10	9	11	sw.	Irving J. Kern.
N. Merchantville	Camden	63	8	72.6	......	93	7	55	1†	2.79	......	0.73	13-14	0	12	8	12	10	sw.	A. Reuleaux Heintze.
Orange	Essex	140	2	......	......	......	......	......	......	2.88	......	0.83	22-23	0	14	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	71	69.2	−0.9	91	13	49	27	3.27	−0.43	0.74	1	0	18	10	12	8	w.	J. W. Cook.
Pemberton	Burlington	55	13	72.4	+0.8	94	13	52	26	1.58	−3.02	0.46	12	0	14	13	6	11	se.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	69.1	−0.4	88	13†	50	6	3.53	−0.20	0.61	4	0	16	10	9	11	......	Town Engineer.
Plainfield	Union	120	54	69.9	+1.0	90	20	52	2	3.71	−0.16	0.81	7-8	0	16	6	12	12	sw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	......	......	......	......	......	......	2.04	......	0.98	8	0	10	....	....	....	......	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	70.1	+1.6	91	21	49	26	2.51	−0.99	0.75	27-28	......	8	19	6	5	s.	N. J. Water Policy Comm.
Rahway	Union	20	2	......	......	......	......	......	......	2.68	......	0.70	12-13	0	8	3	12	15	sw.	Louis Fontenelli.
Ridgefield	Bergen	80	25	69.4	+0.7	90	19	51	1†	3.64	−0.50	1.23	7-8	0	14	8	11	11	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	68.7	+0.1	91	21	43	26	5.46	+1.12	1.59	12	......	8	14	9	7	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	69.6	+1.8	88	20	54	2†	3.52	−0.26	1.05	7-8	0	14	5	10	15	s.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	68.8	−0.3	87	7†	42	1	4.49	+0.98	1.21	13	0	13	12	3	15	w.	Richard H. Rogers.
Sussex	Sussex	450	47	68.8	+1.4	89	13†	47	6	5.18	+1.10	1.26	23	0	15	14	6	10	w.	Marshall Hunt.
Toms River	Ocean	33	21	......	......	......	......	......	......	4.42	+0.74	3.11	13	0	8	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	70	71.1	+1.6	90	20	53	2	1.24	−1.85	0.48	7-8	0	13	5	11	14	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	71.3	......	91	20	53	3	2.10	......	0.65	7-8	0	13	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	49	71.4	+2.5	93	20	52	6†	2.11	−1.62	0.71	12	0	9	17	6	7	sw.	John H. Brown.
Vineland	Cumberland	110	62	......	......	......	......	......	......	2.80	−0.82	0.96	14	0	9	13	14	3	s.	J. Davis Gauntt.
Westfield	Union	145	2	......	......	......	......	......	......	3.96	......	1.25	22-23	0	11	15	5	10	s.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	......	......	......	......	......	......	2.72	−1.08	1.03	7	......	9	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	8	......	......	......	......	......	......	1.22	......	0.82	27	......	3	17	9	4	s.	Geo. S. Keen
New York, N. Y.	......	10	72	69.8	+1.0	86	13	52	3	5.69	+2.36	2.98	7-8	0	16	8	10	12	nw.	U. S. Weather Bureau.
Philadelphia, Pa.	......	26	72	72.6	+1.2	93	20	55	2	2.13	−1.11	0.92	26-27	0	14	9	9	12	nw.	U. S. Weather Bureau.
For the State	......	......	....	69.8	+0.8	96	13	41	10	3.11	−0.72	3.11	13	0	11	11	9	10	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-4-42-925

Errata

MAY, 1942 Bridgeton: page 19, precipitation on 31st should be 0.41 inch.

Daily Precipitation for June, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.06	.34	.01	.06	....	....	....	T.	....	....	T.	.13	....	.24	....	....	.03	....	T.	....	.02	.01	.01	....	....	.05	.50	T.	....	....	....	1.46
Barnegat City[4]	Coast	....	.07	T.	.01	....	....	....	T.	....	....	....	.47	....	.15	....	....	.20	....	....	....	T.	....	....	....	....	....	.46	....	....	....	....	1.36
Belleplain	Tuckahoe	....	.34	....	....	.06	....	....	....	....	....	....	....	....	1.14	....	....	....	....	....	....	....	....	....	....	....	....	.49	....	....	....	....	2.03
Belmar	Coast	.02	.01	.01	.03	.05	....	....	.45	....	....	....	.70	....	.21	....	....	.22	....	....	....	T.	T.	.10	....	....	....	.29	....	....	....	....	2.09
Belvidere	Delaware	.14	.19	.02	.14	....	....	.03	....	....	....	.13	.43	.34	1.30	....	....	.19	T.	....	.69	.05	.05	.89	....	....	T.	.21	....	....	....	....	4.80
Berlin	Mullica	....	....	....	.08	....	....	....	....	....	....	....	.90	T.	.20	....	.10	....	....	....	....	.10	.20	....	....	....	....	.90	....	....	....	....	2.48
Boonton[3]	Passaic	.08	.27	.01	....	.06	....	....	.38	....	....	....	.23	.20	.09	.07	....	T.	.45	....	1.15	....	.12	.31	....	.02	....	.03	.15	....	....	....	3.62
Bridgeton	Delaware	....	.25	.10	T.	.12	....	....	.36	....	....	.16	T.	....	.16	....	....	T.	....	T.	....	....	....	.03	....	....	....	.51	....	....	....	....	1.69
Brooklawn	....do	.08	....	T.	....	.05	....	.11	....	....	....	T.	.18	T.	.40	....	....	.09	....	....	....	T.	....	.18	....	....	....	.90	....	....	....	....	1.99
Burlington	Delaware	.12	....	....	....	.08	....	....	.54	....	....	....	.38	.15	.13	....	....	.71	....	....	....	.03	.04	.90	....	....	....	.15	....	....	....	....	3.23
Canoe Brook[3]	Passaic	....	.45	T.	....	.13	....	....	.15	....	....	....	.67	.05	.16	....	....	.01	.12		.35	T.	.17	.61	....	T.	....	.08	.33	....	....	....	3.28
Cape May[2]‡	Coast	T.	T.	T.	.32	....	....	....	.01	T.	T.	T.	.01	T.	.05	....	....	.36	....	.07	....	....	.10	T.	....	....	.31	.44	T.	....	....	....	1.67
Charlotteburg	Passaic	.81	.12	....	....	.06	....	....	.09	....	....	....	.40	....	.10	....	....	.19	.08	....	.35	.11	....	.65	....	....	....	.07	....	....	....	....	3.03
Chatham[3]	..do	T.	.47	T.	....	.16	....	....	.15	....	....	....	.64	.05	.38	.02	....	T.	.17	....	.36	.26	.02	.65	....	....	....	.08	.34	....	....	....	3.75
Chatsworth	Coast.	....	.26	.07	....	.04	....	....	....	....	....	....	2.97	....	.02	....	....	.05	....	....	....	.15	....	....	....	....	....	.42	....	....	....	....	3.98
Clayton	Delaware	....	.12	....	....	.12	....	....	....	....	....	....	1.78	....	1.75	....	....	.58	....	....	....	....	....	....	....	....	....	1.03	....	....	....	....	5.38
Culvers Lake	...do	.55	.15	....	T.	.06	....	....	1.10	....	....	.06	.08	.97	.26	....	....	.22	....	....	....	....	....	1.06	T.	....	....	.06	....	....	....	....	4.57
Dover	Passaic	.41	.02	....	.05	....	....	.49	.01	....	....	.10	.05	.01	.40	....	....	.22	....	....	.82	.09	....	.67	.02	....	.05	.12	....	....	....	....	3.53
Egg Harbor City[2]	Mullica	....	.06	....	.05	....	....	....	.03	....	....	.12	1.43	....	.36	....	....	.71	....	....	....	.03	.05	....	....	....	.03	.81	....	....	....	....	3.68
Elizabeth	Coast	.05	.15	....	....	.09	....	.08	1.52	....	....	.50	.12	T.	T.	....	....	.45	.02	....	.57	.55	....	.65	....	....	....	.28	....	....	....	....	5.03
Flemington	Raritan	.03	.02	.01	....	.25	....	....	.52	....	....	T.	.41	.26	.27	....	....	.41	....	.02	.23	.06	T.	.65	....	....	....	.28	....	....	....	....	3.42
Freehold	.do	.05	.05	....	.01	....	....	....	.33	....	....	.47	.29	.53	.28	....	....	....	.14	....	....	....	....	.12	....	....	....	.31	....	....	....	....	2.58
Hammonton	Mullica	....	.23	....	....	.09	....	....	....	.03	....	....	1.39	....	.49	....	....	.82	.05	....	....	.11	....	.07	....	....	....	1.05	....	....	....	....	4.33
Hightstown	Raritan	.04	.01	....	.55	....	....	....	.45	....	....	.22	.35	T.	09	....	....	.34	....	.01	T.	T.	.12	.05	....	....	.02	.26	....	....	....	....	2.51
Indian Mills	Mullica	....	.16	T.	.17	....	....	....	.03	....	....	T.	.19	....	.17	....	....	.04	....	....	....	.19	T.	.02	....	....	T.	.51	.02	....	....	....	1.50
Jersey City	Coast	.22	.50	T.	.19	T.	....	.97	T.	....	....	.59	.03	....	T.	....	....	.54	T.	.34	.01	.32	.04	.45	....	....	.01	.02	....	....	....	....	4.23
Lakewood	Metedeconk	....	T.	....	T.	.05	....	....	.31	....	....	....	.50	....	.95	....	....	.07	....	....	....	....	....	.04	....	....	....	.33	....	....	....	....	2.25
Lambertville	Delaware	.02	....	T.	....	.15	....	....	1.03	....	....	.06	.14	.07	.15	....	....	.04	T.	.05	T.	T.	.01	.74	....	....	....	.13	....	....	....	....	2.59
Layton(near)	....do	.57	.12	....	.14	.10	T.	2.35	.54	....	....	.47	.20	....	.59	....	....	.13	.09	T.	.19	.02	....	1.38	.04	....	....	.05	....	....	....	....	6.98
Little Falls[3]	Passaic	.21	.32	.01	....	.03	....	....	.39	....	....	....	.31	.05	.01	.01	....	.03	.21	....	.84	.10	.09	.32	....	.05	....	.07	.06	....	....	....	3.11
Long Branch[2]‡	Coast	.05	.03	....	.09	....	....	.34	.02	....	....	T.	1.16	....	.04	....	....	.42	....	T.	....	T.	.07	.02	....	....	.05	.14	....	....	....	....	2.43
Long Valley[3]	Raritan	T.	.37	....	....	.17	....	....	.12	....	....	....	.07	.13	.74	.73	....	....	.34	....	.28	....	.22	.48	....	....	....	.07	.09	....	....	....	3.81
Marlton	Delaware	....	.11	....	.02	....	....	....	.08	....	....	....	.88	.70	.06	....	.21	....	....	....	....	.12	....	.03	....	....	T.	1.34	....	....	....	....	3.55
Millville[2]‡	Maurice	....	.22	.10	.10	....	....	....	.02	....	....	.08	.04	....	1.12	....	....	.09	....	....	....	....	.02	....	....	....	.09	.35	....	....	....	....	2.23
Moorestown[3]	Delaware	.02	.06	....	T.	....	....	....	.27	T.	....	....	T.	.10	.11	....	....	.06	.05	....	....	....	.06	.06	....	....	....	.22	.23	....	....	....	1.24
Morris Plains	Passaic	.20	.24	....	....	....	....	....	.24	....	....	.15	.03	....	.15	....	....	.21	.26	....	.72	.29	....	.45	....	.02	....	.29	T.	....	....	....	3.25
Newark[1]	Coast	.19	.03	T.	.18	....	....	.76	.03	....	....	.36	.03	....	T.	....	....	.43	.01	.32	T.	.39	.20	.18	....	....	.04	.24	....	....	....	....	3.39
New Brunswick	Raritan	.01	.10	....	....	.60	....	....	.76	....	....	.49	.32	.22	T.	....	....	.26	.05	T.	.06	T.	T.	.32	....	....	....	.41	....	....	....	....	3.60
New Milford[2]‡	Hackensack	.50	....	....	.07	....	....	1.05	....	....	....	.03	.04	....	....	....	....	.14	....	.15	....	....	.21	.10	....	....	....	.07	....	....	....	....	2.36
Newton	Delaware	....	.83	T.	.02	.08	....	....	.41	T	....	.02	.08	....	.30	....	....	.07	....	....	.67	.03	T.	1.02	T.	....	....	.09	....	....	....	....	3.62
N. Merchantville[2]‡	Delaware	.07	....	T.	.06	....	....	.40	.02	....	....	T.	.53	.53	.20	....	....	.12	....	....	....	.12	.11	T.	....	....	.04	.59	....	....	....	....	2.79
Orange[2]‡	Passaic	.25	....	....	.12	....	....	.26	....	....	....	.19	.03	....	....	....	....	.09	.01	.52	.20	.15	.71	.12	....	....	.03	.20	....	....	....	....	2.88
Paterson[3]	Passaic	.74	.01	....	.03	....	....	.52	.02	....	....	.34	.05	....	T.	....	....	.26	.02	.23	.21	.19	.16	.14	.02	.07	.03	.23	....	....	....	....	3.27
Pemberton	Delaware	.03	.09	.03	T.	.02	....	....	.16	....	....	.02	.46	....	.10	....	....	.05	.02	....	....	.04	....	.10	....	....	....	.45	.01	....	....	....	1.58
Phillipsburg	....do	.13	.04	T.	.61	T.	....	.04	....	....	....	.12	.45	.28	.10	T.	....	.35	....	.46	.26	.08	.19	.29	....	....	.05	.08	....	....	....	....	3.53
Plainfield	Raritan	.03	.06	....	.17	....	....	.63	.18	....	....	.48	.34	.01	.02	....	....	.32	T.	....	.26	.31	.02	.65	....	....	.01	.22	....	....	....	....	3.71
Plainsboro	Raritan	.02	....	....	....	.20	....	....	.98	....	....	....	.30	.05	T.	....	....	.05	.04	....	.07	....	....	.17	....	....	....	.16	....	....	....	....	2.04
Pleasantville[3]	Coast	....	.74	....	....	.04	....	....	....	....	....	....	....	.10	....	.73	....	.03	....	....	....	....	.12	T.	....	....	....	.35	.40	....	....	....	2.51
Rahway[3]‡	Rahway	....	.15	....	....	....	....	....	.55	....	....	....	.30	.40	T.	....	....	T.	.40	....	.30	T.	T.	.30	....	....	....	.28	T.	....	....	....	2.68
Ridgefield[2]	Hackensack	.36	T.	T.	.05	.01	....	1.00	.23	....	....	.16	.02	....	T.	....	....	.16	T.	.20	.50	.25	T.	.55	....	.03	T.	.12	....	....	....	....	3.64
Runyon	Coast	....	....	....	....	.38	....	....	.96	....	....	.57	1.59	1.18	....	....	....	....	.18	....	....	....	....	.27	....	....	....	.33	....	....	....	....	5.46
Sandy Hook[2]‡	Coast	.09	.01	....	.42	....	....	1.01	.04	....	....	.24	.70	T.	T.	....	....	.29	.01	.26	....	T.	.12	.10	....	....	.10	.13	....	....	....	....	3.52
Somerville(near)	Raritan	.12	.10	....	....	.25	....	....	.53	....	....	.07	.27	1.21	.32	....	....	.30	....	....	.20	.31	....	.65	....	....	....	.16	....	....	....	....	4.49
Sussex	Hudson	.78	.11	.01	.90	.33	....	....	.73	....	....	.10	.03	....	.21	....	....	.09	.11	....	.46	T.	T.	1.26	....	.03	T.	.03	....	....	....	....	5.18
Toms River	Coast	....	....	....	.07	....	....	....	.10	....	....	....	....	3.11	.64	....	....	.03	....	....	....	.02	....	....	....	....	.15	.30	....	....	....	....	4.42
Trenton[1]‡	Delaware	T.	.02	T.	15	....	....	.41	.07	....	....	.06	.09	.01	.02	....	....	.13	....	....	....	T.	.14	.03	....	....	.03	.08	....	....	....	....	1.24
Trenton No. 2[2]	Delaware	.01	T.	....	.17	....	....	.62	.03	....	....	.21	.13	.02	.21	....	....	.38	....	....	....	T.	.14	.05	....	....	.03	.10	....	....	....	....	2.10
Tuckerton	Coast	....	.08	....	....	.06	....	....	.02	....	....	....	.71	....	.24	....	....	.26	....	....	....	.13	....	.05	....	....	....	.56	....	....	....	....	2.11
Vineland[3]	Maurice	....	.04	....	....	.10	....	....	.07	....	....	.08	.86	....	.96	....	....	.11	....	....	....	.04	....	T.	....	....	....	.54	....	....	....	....	2.80
Westfield[3]‡	Rahway	....	.18	....	....	.10	....	....	.88	....	....	....	.51	.16	T.	....	....	....	.34	....	.34	....	.45	.80	....	....	....	.16	.04	....	....	....	3.96
Woodcliff Lake[2]‡	Hackensack	.51	....	....	.16	....	....	1.03	....	....	....	.04	.03	....	....	....	....	.14	....	.33	....	....	.28	.20	....	....	....	....	....	....	....	....	2.72
Woodstown	Delaware	....	.31	....	....	....	....	....	.09	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.82	....	....	....	....	1.22
New York, N. Y[1]‡	Coast	.43	.01	T.	.12	T.	....	2.96	.02	....	....	.52	.02	....	T.	....	....	.47	.01	.25	.01	.20	.44	.04	....	....	.04	.15	....	....	....	....	5.69
Phila., Pa[1]‡	Delaware	.01	T.	....	.02	....	....	.29	.01	....	T.	.03	.10	.37	.05	....	....	.18	....	....	....	.11	.03	.01	....	....	.02	.90	....	....	....	....	2.13

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.082	.016	.048	.034	.240	.224	.054	.144	.224	.080	.094	.050	.064	.112	.192	.122	.088	.160	.158	.032	.282	.066	.176	.176	.192	.048	.042	.144	.128	.192	....	3.664
	Wind movement	3	2	1	1	5	4	5	2	5	1	1	0	1	9	7	2	5	5	5	4	4	0	5	3	8	1	1	2	0	6	....	98
Pleasantville[3]	Evaporation	.228	*	.096	.104	.288	.320	.192	.224	.160	.224	.256	.132	.320	.186	.320	.254	.224	.224	.064	.080	.200	.224	.320	.256	.320	.158	*	.176	.224	.304	....	6.078
	Wind movement	106	58	25	40	53	68	78	44	50	36	80	45	70	98	71	29	56	52	27	38	31	46	60	37	45	34	45	14	33	82	....	1551
Runyon	Evaporation	.120	.110	.160	.160	.110	.250	.250	.120	.180	.210	.160	.270	.250	.080	.210	.190	.160	.180	.180	.210	.220	.180	.180	240	.240	.180	.180	.180	.210	.210	....	5.580
	Wind movement	15	14	15	15	14	18	14	8	11	17	8	3	5	8	7	10	8	10	12	11	12	6	4	3	5	4	4	10	7	7	....	285

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for June, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	66	58	65	70	84	77	74	75	68	72	78	80	80	82	83	76	76	82	77	84	92	82	85	78	82	77	68	75	77	77	....	76.7
	Minimum	58	55	55	61	66	62	65	65	63	64	65	69	69	63	57	63	67	64	69	68	70	69	69	60	61	65	64	67	65	69	....	64.2
Barnegat City‡	Maximum	67	67	65	68	84	73	74	70	68	72	76	77	79	76	82	75	72	74	82	87	82	84	90	76	82	75	67	74	76	78	....	75.7
	Minimum	54	52	54	60	62	54	62	60	58	61	61	65	66	62	57	64	62	60	64	63	68	67	65	58	56	56	56	60	58	62	....	60.2
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	57	52	53	59	62	50	60	65	61	61	66	69	67	67	53	51	60	56	61	60	64	61	66	52	50	48	59	59	52	49	....	58.3
Belvidere	Maximum	68	60	71	74	85	88	90	83	86	85	86	81	91	75	81	84	74	84	87	89	85	76	85	80	79	76	71	85	85	88	....	81.1
	Minimum	55	51	52	63	58	58	61	66	59	54	68	69	69	67	54	52	61	60	54	69	63	63	63	51	52	51	59	57	63	58	....	59.3
Boonton§§	Maximum	59	58	68	69	80	83	85	80	83	80	83	80	90	76	79	80	65	80	86	85	84	77	80	76	75	76	72	82	87	83	....	78.0
	Minimum	52	50	51	54	58	51	58	66	55	48	55	67	65	66	56	51	60	59	58	62	63	66	64	56	57	51	57	52	57	56	....	57.4
Bridgeton	Maximum	77	68	72	85	85	90	90	81	85	85	86	93	95	86	82	82	88	83	83	93	93	90	85	83	82	89	73	83	85	88	....	84.7
	Minimum	57	53	54	62	65	60	57	68	63	64	69	71	70	70	56	57	66	59	65	66	69	66	68	54	55	55	61	62	60	60	....	62.1
Burlington	Maximum	72	69	74	81	87	90	92	85	83	85	82	81	78	76	80	84	84	83	84	91	89	89	85	84	80	80	79	85	88	88	....	82.9
	Minimum	58	55	52	61	63	55	61	59	60	60	59	60	58	59	45	57	62	50	54	50	57	66	67	51	58	54	61	62	59	58	....	57.7
Canoe Brook§§	Maximum	55	59	70	67	79	76	85	77	81	76	84	74	96	70	79	80	64	80	86	83	81	75	79	73	76	75	78	79	82	83	....	76.7
	Minimum	54	50	51	54	55	46	56	66	55	47	57	67	62	66	54	47	54	58	52	57	56	61	63	46	46	46	58	52	55	53	....	54.8
Cape May.*	Maximum	67	65	65	70	81	73	73	79	69	72	74	75	77	85	79	77	76	79	74	86	90	81	81	76	79	74	70	72	74	75	....	75.6
	Minimum	60	57	57	62	65	63	65	66	63	63	65	68	67	66	61	60	66	63	67	68	71	70	70	64	65	66	65	66	63	66	....	64.6
Charlotteburg	Maximum	69	58	69	69	79	85	82	78	81	81	83	80	89	87	76	78	75	78	87	82	83	83	80	81	75	74	78	82	85	85	....	79.1
	Minimum	49	48	50	58	55	44	55	60	55	41	61	63	63	61	52	45	57	56	48	72	56	60	61	46	50	42	55	47	52	48	....	53.7
Chatsworth	Maximum	72	63	74	82	85	89	92	77	81	85	87	90	93	82	81	81	80	81	85	93	89	86	84	81	81	80	68	79	86	88	....	82.5
	Minimum	57	52	52	62	62	51	62	66	60	56	68	67	66	65	55	51	60	62	62	64	65	63	76	52	53	48	59	63	55	53	....	59.9
Clayton	Maximum	78	67	72	89	85	88	90	82	85	85	85	88	92	88	80	80	81	81	80	91	89	85	84	80	79	82	75	80	84	84	....	83.0
	Minimum	58	53	55	63	64	57	63	67	62	62	70	69	69	69	56	56	64	58	60	64	68	66	60	54	68	53	69	68	64	57	....	62.2
Dover	Maximum	71	57	67	68	80	81	85	77	80	80	83	77	86	78	77	78	68	79	85	85	83	76	79	74	74	74	69	79	85	82	....	77.3
	Minimum	51	48	50	59	60	50	65	65	57	49	67	69	66	60	53	51	59	58	55	61	60	63	62	50	52	49	56	53	61	57	....	57.2
Elizabeth	Maximum	68	60	73	70	88	82	92	87	83	78	84	79	92	76	90	86	76	87	90	91	86	92	85	80	76	76	71	85	93	85	....	82.0
	Minimum	54	51	52	61	57	52	58	67	57	52	66	66	64	68	54	53	60	58	57	61	65	64	65	50	53	52	59	56	66	64	....	58.7
Flemington	Maximum	73	64	75	74	84	91	91	88	80	81	84	84	90	80	80	84	84	83	88	90	85	81	85	78	78	75	75	87	89	83	....	82.1
	Minimum	58	52	53	63	63	53	60	68	59	54	67	68	66	69	55	53	62	60	60	62	65	65	64	54	56	54	60	61	61	59	....	60.1
Freehold	Maximum	68	60	73	75	84	84	88	80	79	81	85	82	88	82	80	82	76	81	83	90	88	84	84	83	78	78	73	81	85	88	....	80.8
	Minimum	57	52	52	60	61	53	63	68	58	55	66	69	65	66	55	53	60	59	60	63	73	64	66	51	53	53	60	59	59	57	....	59.7
Hammonton	Maximum	94	67	74	84	89	92	94	87	84	87	90	90	94	86	78	77	76	76	78	89	89	84	80	75	72	76	68	73	80	82	....	82.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hightstown	Maximum	68	60	73	78	84	88	90	78	79	83	87	80	93	78	81	82	75	82	87	91	88	80	83	80	79	78	69	85	88	89	....	81.2
	Minimum	57	53	52	61	60	52	62	68	58	53	66	69	67	66	54	52	58	60	61	62	65	63	66	51	52	50	60	57	58	60	....	59.1
Indian Mills(near)	Maximum	73	61	73	80	86	90	90	78	83	84	87	90	93	80	83	83	79	83	81	94	89	85	84	79	81	80	67	78	85	86	....	82.2
	Minimum	58	53	54	63	63	48	62	67	58	57	68	69	67	65	54	49	60	60	62	62	66	62	68	50	56	47	60	63	56	56	....	59.4
Jersey City	Maximum	70	60	70	67	84	80	85	80	80	78	82	80	86	79	81	82	78	82	88	89	87	81	83	80	79	79	74	79	83	84	....	79.7
	Minimum	54	54	52	62	62	60	67	68	65	57	70	70	69	71	58	59	62	60	67	67	71	72	67	59	60	61	64	58	68	65	....	63.3
Lakewood	Maximum	68	61	72	74	84	82	89	80	77	78	87	83	89	83	81	81	73	81	84	90	87	84	83	79	79	78	72	79	85	88	....	80.4
	Minimum	58	55	53	62	61	53	62	69	59	55	68	69	67	68	57	54	60	61	61	63	67	66	68	53	54	51	61	61	56	56	....	60.3
Lambertville	Maximum	76	65	73	77	84	87	88	85	82	81	83	81	88	84	79	80	79	82	87	90	88	85	80	79	77	76	74	82	86	86	....	81.5
	Minimum	59	54	53	63	59	50	62	68	60	55	67	70	69	70	56	51	62	60	59	62	65	62	65	49	53	52	61	62	60	58	....	59.9
Layton(near)	Maximum	65	60	68	74	80	84	84	80	83	84	83	80	88	82	77	81	72	80	88	85	83	81	83	75	75	75	75	83	85	83	....	79.2
	Minimum	51	49	51	59	56	45	56	64	56	50	55	69	68	61	61	51	56	60	52	60	57	61	60	48	48	46	59	54	55	56	....	55.8
Little Falls§§	Maximum	65	59	70	75	84	84	88	82	83	82	85	81	89	77	82	82	69	84	89	88	87	78	83	79	79	77	76	84	88	87	....	80.5
	Minimum	52	51	51	56	58	52	57	66	60	50	66	67	66	69	56	54	61	58	56	62	64	64	64	51	54	52	60	56	60	60	....	58.4
Long Branch*	Maximum	63	60	70	69	85	77	83	75	71	76	82	81	85	77	80	81	68	81	84	88	88	80	83	77	76	75	68	77	80	81	....	77.4
	Minimum	57	55	54	61	62	54	64	62	60	57	67	70	69	63	59	57	63	60	61	65	68	68	65	56	55	54	62	61	61	61	....	61.0
Long Valley§§	Maximum	60	58	70	70	82	85	87	80	82	80	84	78	87	73	79	82	67	81	85	87	84	76	82	77	78	76	70	82	86	84	....	78.4
	Minimum	53	47	49	52	58	47	53	63	51	46	58	65	63	64	52	50	55	57	52	56	58	59	61	46	52	46	48	51	56	52	....	54.0
Moorestown*	Maximum	78	72	72	81	86	84	90	81	82	84	86	83	90	81	80	79	78	81	83	90	87	83	83	77	77	79	67	79	84	85	....	81.4
	Minimum	58	55	54	56	60	53	52	67	65	61	71	72	70	60	57	54	62	60	64	65	65	67	65	55	57	52	61	62	58	60	....	60.6
Newark*	Maximum	61	60	70	67	84	80	91	81	85	83	81	80	86	77	82	81	70	82	88	89	86	79	84	78	77	78	72	81	84	88	....	79.5
	Minimum	54	54	52	62	63	59	63	66	60	57	67	67	67	62	58	62	61	60	62	65	69	69	67	57	59	56	62	58	62	62	....	61.4
New Brunswick	Maximum	70	60	71	74	82	86	89	85	79	79	82	80	88	74	79	78	75	80	89	89	86	82	81	77	78	77	72	81	85	89	....	79.9
	Minimum	57	52	51	61	60	54	65	68	60	54	54	69	71	68	54	54	62	58	59	62	61	64	65	56	57	56	59	57	62	59	....	59.6
Newton	Maximum	65	60	70	72	80	83	85	78	84	83	85	80	89	75	72	81	73	79	88	85	83	78	81	76	74	76	72	83	82	89	....	78.7
	Minimum	51	43	48	58	55	49	60	61	55	50	65	57	75	59	60	48	56	57	55	58	59	64	58	49	49	49	56	50	59	57	....	55.7
N. Merchantville*	Maximum	75	64	72	83	87	90	93	78	85	85	86	82	92	83	82	84	82	84	86	92	90	85	85	80	80	79	66	81	86	88	....	82.8
	Minimum	55	55	55	64	63	59	64	65	63	61	70	69	69	60	56	58	64	62	66	67	69	69	66	59	60	58	61	63	61	62	....	62.4
Paterson§§	Maximum	60	60	70	69	85	84	90	84	85	83	85	83	91	79	82	83	67	83	90	89	87	79	84	78	78	77	74	84	88	87	....	80.6
	Minimum	51	50	51	54	59	53	60	65	60	51	59	69	66	68	56	55	61	56	57	62	65	66	63	53	54	53	49	54	57	61	....	57.9
Pemberton	Maximum	72	66	75	82	88	90	91	90	83	84	88	83	94	85	81	82	81	83	84	93	90	87	85	83	81	78	74	84	86	87	....	83.7
	Minimum	58	55	55	64	62	53	62	69	62	59	68	70	67	70	55	54	62	62	61	64	66	66	68	54	56	52	61	63	57	59	....	61.1
Phillipsburg	Maximum	65	60	72	73	85	86	87	81	84	80	83	78	88	76	81	83	69	85	85	88	85	75	84	78	80	74	68	83	87	87	....	79.7
	Minimum	55	52	53	62	59	50	60	66	58	55	66	68	68	60	55	53	60	59	57	60	63	63	62	51	52	52	59	60	59	58	....	58.5
Plainfield	Maximum	64	58	70	70	84	83	89	80	81	80	86	79	88	75	82	81	72	82	88	90	86	78	82	78	77	78	69	83	86	88	....	79.6
	Minimum	56	52	53	62	60	55	61	68	59	54	68	69	66	68	56	54	61	60	59	63	67	68	65	55	57	54	61	56	60	60	...	60.2
Pleasantville§§	Maximum	70	60	68	73	86	82	79	78	74	79	82	82	86	82	82	82	79	82	79	88	91	83	84	80	81	79	68	75	78	79	....	79.0
	Minimum	60	54	55	62	64	53	65	67	64	63	67	70	70	71	56	58	62	62	61	63	66	66	69	55	54	49	64	56	56	53	....	61.2
Ridgefield*	Maximum	58	58	69	67	84	82	86	82	81	81	82	81	89	75	82	80	69	82	90	88	83	77	83	77	77	76	73	82	84	86	....	78 8
	Minimum	51	51	51	61	59	56	65	66	58	53	68	70	67	62	57	57	63	58	60	63	67	67	65	55	55	55	61	58	61	64	....	60.1
Runyon	Maximum	80	76	72	82	88	87	89	88	89	85	84	84	84	82	78	78	80	83	86	90	91	87	83	84	82	77	67	80	84	86	....	82.9
	Minimum	46	52	58	60	64	60	62	45	60	59	66	60	61	62	48	46	50	54	58	62	60	60	48	45	44	43	58	46	48	51	....	54.5
Sandy Hook‡	Maximum	62	59	67	66	81	77	81	77	70	74	79	79	81	78	80	79	68	79	79	88	84	79	81	76	78	74	68	76	81	83	....	76.1
	Minimum	56	54	54	61	63	62	66	64	62	62	68	70	69	62	59	62	62	60	67	67	70	70	66	60	62	63	62	62	64	64	....	63.1
Somerville(near)	Maximum	64	58	70	72	82	85	87	81	81	81	84	81	86	73	80	81	69	81	87	85	84	75	81	76	75	76	75	83	87	85	....	78.8
	Minimum	42	48	52	60	62	58	63	67	58	53	68	69	68	63	54	54	60	59	60	62	66	52	62	51	53	56	59	59	61	61	....	58.7
Sussex	Maximum	65	60	68	71	82	85	85	82	84	84	83	82	89	82	80	82	82	82	88	86	84	83	82	82	77	76	75	84	89	85	....	80.6
	Minimum	51	49	51	60	57	47	58	63	56	50	67	70	68	65	63	51	59	59	53	60	60	65	61	51	50	49	59	53	59	56	....	57.0
Trenton*	Maximum	67	59	73	78	83	88	88	77	81	82	84	78	90	78	80	81	74	82	85	90	87	80	82	78	77	76	68	82	85	84	....	79.9
	Minimum	57	53	53	63	65	60	65	65	62	59	68	71	69	60	55	59	62	61	65	67	68	69	66	57	59	60	62	62	63	63	....	62.3
Trenton No. 2*	Maximum	69	60	74	78	85	89	90	79	82	83	86	80	90	79	80	82	76	83	85	91	88	81	83	79	78	76	70	84	87	86	....	81.1
	Minimum	59	54	53	64	62	57	64	69	60	57	68	71	69	63	55	56	62	60	64	64	67	67	67	54	56	56	62	61	61	62	....	61.5
Tuckerton	Maximum	70	64	72	73	83	83	82	78	72	80	86	85	88	84	84	83	78	83	83	93	91	87	88	84	82	78	73	78	80	82	....	80.9
	Minimum	60	53	55	60	60	52	65	68	62	60	68	68	68	70	57	55	65	63	64	63	68	65	70	55	61	52	60	63	56	68	....	61.8
New York, N. Y.*	Maximum	61	60	69	64	81	81	83	80	79	79	83	79	86	74	80	78	69	80	85	86	84	78	80	75	76	76	71	77	80	82	....	77.2
	Minimum	54	54	52	59	63	67	66	66	64	62	66	71	68	61	57	59	59	60	63	67	69	68	64	59	59	63	61	61	64	65	....	62.4
Philadelphia, Pa.*	Maximum	72	62	69	81	85	88	89	76	81	83	83	82	90	82	81	83	80	82	83	93	89	84	82	78	78	77	66	80	85	85	....	81.0
	Minimum	57	55	55	64	68	65	67	67	63	63	70	70	69	59	57	61	65	62	69	70	72	70	66	61	62	64	60	64	67	65	....	64 2

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

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CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

VOL. XLVII. JULY, 1942 NO. 7.

GENERAL SUMMARY.

Temperature averaged slightly above normal at nearly all stations, the largest departure being 4.2° at Atlantic City. There was no long hot period but temperatures in the high nineties were recorded at nearly all stations on the 19th. The usual high July humidity prevailed.

Rainfall averaged 7.30 inches or 158 percent of normal. This was the greatest monthly rainfall since September 1938 when the State average was 9.67 inches. It was the second month this year, however, with as much as the normal amount of precipitation, and the accumulated amounts for this calender year are still below normal for all sections of the State except the Highlands. The rains were well distributed throughout the month and in some localities, the soil was too wet much of the time to permit adequate cultivation of crops. Crop prospects, as a whole, were very promising, however, at the close of the month, especially for corn and potatoes, two important crops in New Jersey. There was some loss of hay due to unfavorable curing conditions, also some damage to oats by wind and heavy rain near the close of the month. Some high monthly totals of rainfall were: Belmar 9.92, Belvidere 9.37, Berlin 10.04, Flemington, 8.99, Long Branch 12.28, Orange 10.57, and Phillipsburg 10.28 inches. Twenty four hour falls in excess of three inches were recorded at thirteen stations in various parts of the State. Thunderstorms were unusually numerous, occurring on 22 days of the month. Hail fell on three days but damage from this source was slight.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 74.6°, which was 0.8° above normal. The highest temperature was 105° at Burlington on the 19th, and the lowest, 41°, at Charlotteburg on the 10th. The highest monthly mean temperature was 77.6° at Bridgeton, and the lowest, 70.4° at Charlotteburg.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.3°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 7.30 inches, which was 2.61 inches above normal. The greatest monthly precipitation was 12.28 inches at Long Branch, and the least, 3.90 inches at Barnegat City. The greatest amount of precipitation in any 24 consecutive hours was 5.45 inches at Orange on the 27th. The average for the Highlands was 8.00 inches, for the Red Sandstone Plain 7.50 inches, for the Southern Interior 6.76 inches, and for the Sea Coast, 7.76 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +2.29 inches; Red Sandstone Plain, −0.52 inches; Southern Interior, −2.02 inches; Sea Coast, −1.97 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 3, 4, 5, 12, 24, 28, 29, 30, 31. HAIL: 4, 6, 29.
THUNDERSTORMS: 1, 2, 3. 4, 5, 6, 7, 10, 11, 12, 14, 15, 17, 18, 19, 20, 26, 27, 28, 29, 30, 31

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	29.99	30.27	26	29.69	6	12.5	39	se.	11	78	68	75	58
Long Branch	29.97	30.33	26	29.63	6	10.4	51	w.	6	76	54	68	68
Trenton	29.98	30.28	26	29.61	6	7.2	26	sw.	6	77	52	66	72

COMPARATIVE DATA FOR JUNE.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	75.2	100	44	3.50	0	......	......	......	......
1886	73.0	98	48	4.91	0	......	......	......	......
1887	77.1	102	54	7.67	0	11	......	......	......
1888	71.1	95	45	3.50	0	9	......	......	......
1889	73.4	95	48	10.19	0	14	......	......	......
1890	72.5	101	39	5.62	0	9	12	11	8
1891	70.1	95	43	5.30	0	12	10	11	10
1892	74.3	105	44	4.03	0	8	12	14	5
1893	73.9	102	40	2.72	0	8	14	13	4
1894	75.7	106	44	1.66	0	6	14	12	5
1895	70.9	99	41	4.26	0	10	12	12	7
1896	75.0	98	47	5.50	0	13	13	10	8
1897	74.1	102	50	11.42	0	15	10	11	10
1898	75.3	107	38	4.96	0	10	11	13	7
1899	74.7	98	38	5.75	0	11	13	11	7
1900	75.9	104	42	4.74	0	11	15	12	4
1901	77.3	107	45	5.87	0	14	9	13	9
1902	73.0	100	43	4.78	0	13	10	12	9
1903	73.3	100	38	5.51	0	12	16	10	5
1904	72.3	98	42	4.87	0	13	13	10	8
1905	74.4	102	42	4.06	0	12	12	13	6
1906	72.8	94	46	5.58	0	12	11	14	6
1907	73.6	96	40	2.62	0	8	8	12	11
1908	75.6	106	42	4.70	0	9	12	13	6
1909	71.6	99	36	2.12	0	5	14	14	3
1910	75.3	99	42	1.36	0	5	12	12	7
1911	76.0	104	42	3.64	0	8	12	12	7
1912	73.7	100	36	3.86	0	9	14	10	7
1913	74.4	100	41	2.52	0	8	20	9	2
1914	71.5	97	40	6.05	0	15	9	11	11
1915	72.8	98	44	5.31	0	14	10	13	8
1916	74.4	97	45	5.40	0	12	11	9	11
1917	74.2	104	46	4.83	0	12	10	11	10
1918	72.2	104	39	3.93	0	8	17	9	5
1919	73.5	103	43	8.39	0	14	14	7	10
1920	71.7	96	42	5.76	0	11	17	10	4
1921	76.5	99	43	3.62	0	10	14	9	8
1922	73.0	98	44	5.79	0	13	13	9	9
1923	71.9	102	40	3.88	0	11	15	8	8
1924	71.6	98	41	2.59	0	6	19	8	4
1925	72.0	99	39	7.37	0	13	15	9	7
1926	73.0	105	40	5.46	0	12	16	7	8
1927	72.7	99	36	6.06	0	11	13	10	8
1928	74.2	96	41	6.86	0	12	16	8	7
1929	73.0	102	33	1.64	0	6	17	9	5
1930	74.3	105	42	3.98	0	10	16	9	6
1931	76.6	102	50	4.24	0	11	13	10	8
1932	73.8	98	41	2.76	0	8	19	8	4
1933	73.4	105	41	3.73	0	8	16	8	7
1934	75.8	100	43	3.65	0	9	16	9	6
1935	76.0	101	40	4.66	0	10	14	11	6
1936	74.6	110	40	2.47	0	8	17	8	6
1937	74.6	103	43	2.83	0	9	17	8	6
1938	74.7	98	43	8.84	0	16	11	10	10
1939	73.4	98	38	2.83	0	8	14	10	7
1940	73.9	104	40	2.73	0	9	15	9	7
1941	73.8	105	41	6.40	0	15	12	8	11
1942	74.6	105	41	7.30	0	12	13	10	8
Period	73.8	110	33	4.69	0	10	14	10	7

Climatological Data for July, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	76.3	+4.2	99	19	65	10	5.45	+1.52	1.79	1-2	0	11	7	15	9	w.	U. S. Weather Bureau.
Barnegat City	Ocean	36	§22	73.8	...	96	20	56	30	3.90	...	1.45	2	0	9	13	11	7	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	48	76.4	+2.7	98	19†	49	10	6.26	+1.95	3.02	2	0	6	15	12	4	s.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	9.92	...	2.86	2-3	0	10	5	14	12	se.	Fred Fine.
Belvidere	Warren	289	51	74.4	+0.7	98	19	50	10	9.37	+4.83	1.89	27	0	13	13	8	10	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	10.04	...	2.68	27	...	8	23	6	2	...	Samuel H. McCulley.
Boonton	Morris	280	§52	72.3	+0.1	93	19	50	10†	6.60	+1.96	1.44	28	...	13	15	4	12	ne.	John Kline.
Bridgeton	Cumberland	30	59	77.6	+1.1	98	19	55	10	4.42	−0.03	2.20	1-2	0	11	23	5	3	sw.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	6.22	...	1.72	11	0	9	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§56	76.6	+0.7	105	19	53	10	4.59	−0.35	1.65	11	0	9	20	6	5	sw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	71.7	−0.4	97	20	45	10	8.67	+4.23	4.31	28	...	12	22	2	7	sw.	N. J. Water Policy Comm
Cape May††	Cape May	17	54	75.6	+2.2	96	19	63	9†	6.07	+2.29	1.74	31	0	14	11	13	7	nw.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	70.4	+0.0	95	19	41	10	7.46	+2.88	2.26	27	0	12	8	5	18	w.	Newark Water Dept.
Chatham	Morris	185	38	...	...	...	...	...	...	7.90	+2.96	2.88	28	0	13	13	13	5	...	Paul Molitor. Sr.
Chatsworth	Burlington	90	1	75.5	...	97	19	48	10	7.54	...	2.35	2	0	7	10	20	1	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	76.2	+1.0	96	19	54	10	6.83	+2.27	2.23	11	0	8	18	3	10	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	7.57	+2.79	1.34	31	0	13	...	...	...	...	L. S. Depue.
Dover	Morris	600	58	71.6	0.0	92	19	48	10	8.30	+3.09	3.08	28	0	11	3	9	19	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	6.76	+1.77	2.81	2	0	12	20	6	5	ne.	Chas. E. Hall.
Elizabeth	Union	34	63	77.4	+2.1	100	13†	57	7†	5.94	+1.22	1.60	2	0	12	16	10	5	w.	Union County Park Comm.
Flemington	Hunterdon	140	§56	74.8	−0.1	98	19	50	9	8.99	+4.14	2.97	27	0	13	18	8	5	sw.	Hiram E. Deats
Freehold	Monmouth	194	§38	74.8	+0.1	97	19	53	10	5.92	+1.17	2.14	2	0	10	14	13	4	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	...	...	98	19	...	...	6.42	+1.88	1.78	1	0	11	14	11	6	nw.	J. G. Wilson.
Hightstown	Mercer	110	49	75.0	+0.8	98	19	51	10	7.32	+2.40	1.23	31	0	13	13	12	6	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	75.2	+0.6	98	19	47	10	7.92	+3.19	3.34	1-2	0	12	9	16	6	w.	Edward Entwistle.
Jersey City	Hudson	81	44	76.9	+1.0	97	19	60	7†	6.69	+2.34	1.81	2	0	11	10	8	13	sw.	Jersey Journal.
Lakewood	Ocean	54	38	74.8	+1.3	97	19	53	10	8.57	+3.57	2.85	2	0	11	9	13	9	w.	R. W. Holman.
Lambertville	Hunterdon	75	55	74.5	+0.4	97	19	50	10	6.88	+2.24	1.75	27	0	12	15	9	7	w.	George Bailey.
Layton(near)‡‡	Sussex	480	41	71.0	−0.2	91	14†	42	7	7.89	+3.49	2.09	27	0	12	11	6	14	sw.	A. M. Depue.
Little Falls	Passaic	157	39	74.6	+0.6	96	19†	51	10	6.56	+1.84	2.22	28	0	12	14	13	4	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	74.9	+2.0	94	20	57	16	12.28	+6.43	3.30	10-11	0	12	11	15	5	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	71.2	...	94	19	46	10	8.01	+2.70	2.10	18	0	12	18	10	3	sw.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	9.64	...	3.12	27	0	10	16	10	5	sw.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	6.83	...	3.41	1-2	...	11	15	9	7	...	Paul Ritchie.
Moorestown	Burlington	62	79	74.6	−0.2	95	19	52	10	6.00	+1.30	2.20	28	0	9	12	13	6	...	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	6.49	...	1.56	17-18	0	12	22	4	5	...	James C. Long.
Newark	Essex	10	43	75.7	+1.0	98	19	58	7	5.86	+0.91	1.48	2	0	12	5	12	14	w.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	75.3	+1.2	95	19†	54	10	6.96	+1.73	1.35	17-18	0	12	17	7	7	sw.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	7.79	+3.26	3.75	27	0	13	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	71.8	−0.8	94	19	47	10	7.44	+2.61	2.50	27	0	12	7	10	14	sw.	Irving J. Kern.
N. Merchantville	Camden	63	8	77.5	...	99	19	58	10	8.47	...	4.23	27	0	11	7	16	8	sw.	A. Reuleaux Heintze.
Orange	Essex	140	2	...	...	...	...	...	...	10.57	...	5.45	27	0	14	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	74.7	+0.1	98	19	53	10	7.18	+2.88	2.46	27	0	12	13	14	4	w.	J. W. Cook.
Pemberton	Burlington	55	13	76.3	+0.4	98	19	53	10	8.65	+4.39	2.91	2	0	12	14	10	7	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	73.8	−0.2	98	19	50	10	10.28	+5.80	2.59	27	0	14	11	12	8	...	Town Engineer.
Plainfield	Union	120	54	74.7	+0.8	97	19	55	10†	8.45	+2.90	3.75	27	0	12	8	12	11	sw.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	8.53	...	2.51	2	0	10	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	75.1	+1.8	99	19	49	10	5.55	+1.49	1.66	3	...	9	21	6	4	s.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	8.92	...	3.10	28	0	9	6	17	8	nw.	Louis Fontenelli.
Ridgefield	Bergen	80	25	74.7	+1.0	98	19	55	10	8.65	+3.83	2.82	27	0	11	13	12	6	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	71.9	−1.1	97	19	44	10	7.27	+3.13	1.68	2	...	12	16	11	4	w.	N. J. Water Policy Comm.
Sandy Hook	Monmouth	15	44	75.2	+1.7	93	20	61	7	8.95	+3.83	2.79	1-2	0	12	8	13	10	w.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	73.6	−0.4	95	19	52	7	5.57	+0.33	1.59	17-18	0	13	15	8	8	sw.	Richard H. Rogers.
Sussex	Sussex	450	47	72.4	+0.1	93	14	46	10	7.33	+3.51	1.80	31	0	15	12	9	10	w.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	7.20	+1.65	3.58	2	0	8	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	70	76.0	+1.5	96	19	59	10	4.35	+0.41	1.00	10-11	0	15	8	13	10	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	75.7	...	97	19	55	10	4.25	...	0.88	1-2	0	15	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	75.8	+1.6	99	19	54	10	5.04	+1.06	1.67	1-2	0	12	16	9	6	nw.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	4.25	−0.28	1.82	2	0	9	17	9	5	nw.	J. Davis Gauntt.
Westfield	Union	145	2	...	...	...	...	...	...	7.18	...	2.60	28	0	10	17	6	8	w.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	7.30	+3.37	2.40	27	...	10	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	7.45	...	2.20	31	...	6	22	7	2	sw.	Geo. S. Keen
New York, N. Y.	...	10	72	74.9	+1.1	93	20	59	7	6.24	+2.00	1.79	1-2	0	13	11	9	11	sw.	U. S. Weather Bureau.
Philadelphia, Pa.	...	26	72	78.0	+1.8	98	19	65	8	6.74	+2.59	2.98	26-27	0	12	6	17	8	sw.	U. S. Weather Bureau.
For the State	...	...	...	74.6	+0.8	105	19	41	10	7.30	+2.61	5.45	27	0	12	13	10	8	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-8-29-42-925

Daily Precipitation for July, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.46	1.33								.01	.99			.02				.02		T.				T.	T.	.24	.07		.27	.89	1.15	5.45
Barnegat City[4]	Coast	.66	1.45				.02					.98						T.	.24		.13				T.			.07		.13		.22	3.90
Belleplain	Tuckahoe		3.02									.50							.05										.24		.75	1.70	6.26
Belmar	Coast	1.90	2.84	.02				.43				2.53						T.	.48						T.	T.		.13	.43	.57		.59	9.92
Belvidere	Delaware	.03	.65		.73		.49					.60			.03			.13	1.45									1.89	1.37	.18	.19	1.63	9.37
Berlin	Mullica		2.30								2.05								.50			.10				T.	T.	2.68	.40	.55		1.46	10.04
Boonton[3]	Passaic		.72	.47	.32			.84				.11	.03			.25			.83									1.25	1.44	.08	.07	.19	6.60
Bridgeton	Delaware	.20	2.00	.04														.06	.31			T.			.02	.03	.09	T.	.07	.12		1.48	4.42
Brooklawn	do		.87									1.72							.30		.76				T.		.13	.49	.21	.08	T.	1.66	6.22
Burlington	Delaware		.72									1.65							.37		.38				.01			.85	.32	.03	T.	.26	4.59
Canoe Brook[3]	Passaic		.60	.34	.40			.23				.08	.10			.05			1.50									1.00	4.31		.04	.02	8.67
Cape May[2]‡	Coast	.23	1.42		.01			T.	T.		.03	.08	.10						.11		.27	.02			.01	.01		1.30		.74		1.74	6.07
Charlotteburg	Passaic		.98		.13			.58				.29				.10			1.00	.34								2.26	.93	.25	.27	.33	7.46
Chatham[3]	do		.46	.52	.49			.33				.06	.08			.03		1.77										1.19	2.88	.01	.05	.03	7.90
Chatsworth	Coast	1.47	2.35									1.57							.42		.07	T.						1.10	T.			.56	7.54
Clayton	Delaware		1.84									2.23							.22			.33			.15		.39	.17				1.50	6.83
Culvers Lake	do	.03	.35		.80		.83					.41			.49			.15	1.24	.39								1.12	.32	.10		1.34	7.57
Dover	Passaic		1.54		.44		.77				T.	.30			.01				.69								T.	*	3.08	.08	.43	.96	8.30
Egg Harbor City[2]	Mullica	.41	2.81		.06						.02	1.36							.12		.13						.10	.16		.15	.75	.69	6.76
Elizabeth	Coast	.25	1.60	.03	.45		T.	.32				.20	.03					T.	1.12						T.	T.		.95	.26	.19	T.	.54	5.94
Flemington	Raritan	.33	.49		.35		.41					.11	.01					.07	1.58						T.			2.97	.18	.51	.33	1.65	8.99
Freehold	do	.03	2.14	T.	.09		.19					1.89							.51									.17	.28	.28		.34	5.92
Hammonton	Mullica	1.78	1.59		.02							1.17							.36		T.	.15			.05		.15	.34	.13	T.	T.	.68	6.42
Hightstown	Raritan	.28	1.12		.39		.58					.65						.07	.75		T.				T.	T.	.23	1.12	.10	.15	.65	1.23	7.32
Indian Mills	Mullica	.14	3.20									1.58						T.	.24		.48	T.			.05	T.	.10	.93	.15	.06	.02	.97	7.92
Jersey City	Coast	.41	1.81	.56			.44					.30	.07		.07				1.56							T.		.76	T.	T.	.20	.51	6.69
Lakewood	Metedeconk	1.45	2.85		.04			T.				2.00						.05	.33									.36	.37	.70	.05	.37	8.57
Lambertville	Delaware	.98	.87	T.	.36			.46				.22						.04	1.04						T.		T.	1.75	.11	.06	.03	.96	6.88
Layton(near)	do		.74		.24	.13	1.34				T.	.43			.42			.10	.97									2.09	.03	.44		.96	7.89
Little Falls[3]	Passaic		.64	.30	.51			.62				.06	.01			.21			1.04		.01							.91	2.22		.03		6.56
Long Branch[2]‡	Coast	2.57	3.23	.02	.01		.70				.01	3.29						T.	1.02						T.	T.	T.	.70	.02	.28		.43	12.28
Long Valley[3]	Raritan		1.10	.13	.36			1.17				.33	.19						2.10									.75	1.60	.05	.18	.05	8.01
Marlton	Delaware	.07	2.15		T.							2.10							.28		.32				.02			3.12	T.	.11	.03	1.44	9.94
Millville[2]‡	Maurice	1.23	2.18				T.				.97	.23						.01	.40						.01		.03	.05		.37		1.35	6.83
Moorestown[3]	Delaware		.85									1.87							.60	T.	.17					.04		.12	2.20	.04	.11	T.	6.00
Morris Plains	Passaic		.88	T.	.46			.53				.11	.04			.02		.05	1.51									1.12	1.01		.06	.70	6.49
Newark[1]	Coast	.41	1.48		.60		.37				T.	.34			.09			.02	1.29						T.		.01	.66	T.	T.	.02	.57	5.86
New Brunswick	Raritan	.91	1.26		.25			.36				.43	.04					.05	1.30						T.	T.		.58	1.00	T.	.02	.76	6.96
New Milford[2]‡	Hackensack	.10	.90		.29		.36				.02	.03			.16				1.20		.03							3.75		.02	.03	.90	7.79
Newton	Delaware	.70	.61		.61	T.	.71	T.				.46						.02	.59	T.								2.50	.03	.12	.01	1.08	7.44
N. Merchantville[2]‡	Delaware	.02	.71		T.						.12	1.11						T.	.38		.20				.05		.08	4.23	T.	.20	T.	1.37	8.47
Orange[2]‡	Passaic	.17	.96		.33		.17				.01	.12			.01			.02	1.61								.06	5.45		.01	.64	1.01	10.57
Paterson[3]	Passaic	.03	.93		.73		.66				.02	.04							1.19	.31							T.	2.46		.04	.01	.76	7.18
Pemberton	Delaware	.15	2.91									1.73							.60			.15			.03		.10	.16	1.30	1.05	.22	.25	8.65
Phillipsburg	do	T.	.51		.39		.29		T.		.08	.78	.32		T.			.25	1.94								.24	2.59	.45	.90	.04	1.50	10.28
Plainfield	Raritan	.37	.92	T.	.29		.31				T.	.35	.22					.22	1.41			T.			T.			3.75	.26	.20		.15	8.45
Plainsboro	Raritan	.30	2.51		.53			.26				.41							.85									1.16	.48		.91	1.12	8.53
Pleasantville[3]	Coast		.69	1.66				T.				.98				T.			.06	.01						T.		.80	.10		1.02	.23	5.55
Rahway[3]‡	Rahway		2.70		.20		.15	.45			.35		.15						1.10									T.	3.10	T.		.72	8.92
Ridgefield[2]	Hackensack	.48	1.17		.57		.12				T.	.08			.47			T.	1.63	T.							T.	2.82	.35	.01	T.	.95	8.65
Runyon	Coast	.43	1.68		.33			.51				.46	.03					.04	.88									1.09	.37	.28		1.17	7.27
Sandy Hook[2]‡	Coast	1.39	2.29	T.	.08		.24				T.	1.73	.05					.10	1.36						T			.88	.06	.28	T.	.49	8.95
Somerville(near)	Raritan	.17	.85	.01	.42		.16					.09	.14					.30	1.29									.85	.15	.12		1.02	5.57
Sussex	Hudson	.17	.59		.72	.03	.80	.04				.25			.08			.01	1.12	.12				T.				1.34	.19	.07		1.80	7.33
Toms River	Coast	.32	3.58									1.42							.42									.36	.46	.17		.47	7.20
Trenton[1]‡	Delaware	.15	.70		.28		.04				.03	.97						.04	.74		.01				T.	T.	.24	.26	.01	.21	.22	.45	4.35
Trenton No. 2[2]	Delaware	.20	.68		.13		.17				.03	.81						.03	.70		.01				T.	T.	.22	.29	.01	.41	.16	.40	4.25
Tuckerton	Coast	.12	1.55		.04							1.20				.02			.20		.45						.03		.08	.32	.48	.55	5.04
Vineland[3]	Maurice	.52	1.82									1.25						.03	.13						.16			.19	.05			.10	4.25
Westfield[3]‡	Rahway		1.10	.33	.22			.44				.30	.12						1.10									.62	2.60		.35	T.	7.18
Woodcliff Lake[2]‡	Hackensack		1.13		.53		.49				.03	.04			.30				1.46									2.40		.07		.85	7.30
Woodstown	Delaware		1.65									2.00						.30									1.10	.20				2.20	7.45
New York, N. Y[1]‡	Coast	.38	1.46		.34		.40				.02	.39			.08			.03	1.52						T.		T.	.97		.01	.05	.59	6.24
Phila., Pa[1]‡	Delaware	.01	.60		T.						.09	.88						T.	.26		.10				.01		.04	2.95	.03	.18		1.59	6.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch. Time indicated here is 75th meridian, mean sun time.

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Canoe Brook[3]	Evaporation	.152	.020	.144	.160	.224	.134	.224	.208	.224	.048	.020	.256	.192	.242	.256	.160	.156	.080	.224	.288	.160	.320	.192	.112	.112	.072	**	.160	.200	.116	.036	5.055
	Wind movement	2	1	2	1	3	5	6	7	5	9	9	2	4	10	7	5	3	6	3	7	4	6	2	2	2	6	4	1	1	4	7	136
Pleasantville[3]	Evaporation	.146	.044	.224	.256	.192	.320	.288	.224	.288	.180	.128	.352	.320	.320	.320	.304	.156	.074	.320	.384	.320	.256	.224	*	.320	*	.100	.320	.540	.102	.100	7.122
	Wind movement	72	72	8	34	29	66	34	41	26	75	13	65	65	53	16	37	48	51	23	55	41	27	28	10	27	37	34	18	14	45	50	1214
Runyon	Evaporation	.160	.180	.210	.030	.250	.250	.110	.210	.210	.210	.100	.150	.150	.180	.210	.210	.040	.080	.250	.270	.240	.240	.240	.190	.210	.190	.090	.070	.280	.190	.020	5.420
	Wind movement	23	15	12	13	11	14	28	16	17	9	18	10	9	11	23	18	9	20	19	12	12	11	13	14	10	9	6	4	8	11	11	416

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for July, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	80	73	79	80	89	82	77	80	85	78	82	88	84	86	85	80	81	86	99	97	84	76	78	77	79	78	82	84	86	82	78	82.4
	Minimum	70	69	67	71	72	70	65	65	67	65	68	68	70	70	69	67	73	73	73	78	73	71	66	72	73	73	74	72	72	71	69	70.2
Barnegat City‡	Maximum	78	71	78	79	87	86	80	78	76	77	80	86	83	94	84	80	80	85	93	96	80	74	86	80	82	82	80	83	90	84	78	82.3
	Minimum	64	64	64	66	69	64	58	58	58	64	63	64	64	68	63	61	64	68	68	74	70	68	64	66	68	72	70	66	67	56	68	65.2
Belleplain	Maximum	88	87	86	89	89	90	89	88	87	86	85	85	89	94	93	88	92	91	98	98	97	89	85	84	86	87	92	90	92	91	90	89.5
	Minimum	63	67	60	65	66	67	62	53	59	49	67	63	55	70	61	52	62	69	69	74	69	64	53	63	65	64	70	65	64	64	70	63.3
Belvidere	Maximum	83	78	87	91	89	87	80	84	85	75	84	86	92	95	84	84	88	83	98	95	87	87	85	83	90	86	90	90	91	85	77	86.4
	Minimum	66	59	59	63	64	66	52	57	54	50	61	61	56	68	61	52	65	69	67	67	67	64	65	66	60	66	71	67	63	64	67	62.5
Boonton§§	Maximum	81	69	84	82	84	85	76	79	80	76	79	83	87	90	80	81	83	86	93	92	86	85	84	84	86	86	80	90	89	85	72	83.1
	Minimum	62	65	61	63	64	64	56	53	53	50	59	60	55	59	60	50	61	66	70	74	69	61	57	60	63	62	69	69	64	63	65	61.5
Bridgeton	Maximum	92	78	87	90	89	92	84	84	84	85	84	86	90	95	93	88	92	86	98	95	91	89	85	83	86	87	91	92	93	90	87	88.6
	Minimum	68	67	61	69	69	69	64	61	60	55	78	67	62	70	66	58	67	70	73	76	71	67	61	66	66	66	67	67	69	67	70	66.7
Burlington	Maximum	90	83	87	91	90	91	87	84	87	85	85	87	90	97	92	88	92	91	105	98	88	87	91	90	87	87	87	92	89	85	85	89.3
	Minimum	64	66	63	67	65	69	61	59	62	53	64	62	60	69	67	62	67	68	70	65	70	61	68	65	65	66	60	63	62	65	56	64.0
Canoe Brook§§	Maximum	79	75	91	93	84	86	73	81	77	76	76	81	87	89	80	79	81	87	91	97	83	86	87	91	91	89	82	89	89	81	71	83.9
	Minimum	64	64	58	62	61	63	50	51	51	45	58	60	52	64	52	46	59	66	67	71	63	60	56	57	61	59	68	69	61	61	65	59.5
Cape May.*	Maximum	75	76	77	79	86	84	76	77	81	76	82	84	83	91	82	80	80	85	96	94	82	75	78	75	76	80	82	83	90	85	80	81.6
	Minimum	69	66	69	69	69	66	64	65	63	69	67	65	70	71	65	73	73	75	76	72	70	63	70	71	73	75	73	73	72	74	70	69.7
Charlotteburg	Maximum	81	76	85	84	85	85	81	78	79	79	77	80	87	91	90	81	81	88	95	92	91	82	83	84	87	84	80	87	86	83	81	84.0
	Minimum	56	62	59	56	55	57	47	49	45	41	60	57	48	66	60	42	50	64	68	71	63	53	51	54	57	55	68	65	60	62	62	56.9
Chatsworth	Maximum	91	72	88	92	90	92	80	82	85	85	81	86	91	96	89	86	91	85	97	95	88	83	85	85	86	84	88	89	92	85	77	87.0
	Minimum	65	66	68	68	75	66	60	60	56	48	64	61	66	67	60	52	63	69	67	73	67	67	55	59	69	63	69	66	65	65	66	64.0
Clayton	Maximum	88	82	86	90	90	90	85	82	83	83	81	85	88	93	90	85	88	84	96	95	91	84	84	82	84	85	89	89	91	90	84	87.0
	Minimum	65	68	62	68	67	67	62	56	60	54	67	64	60	68	55	57	66	70	71	75	69	66	64	63	66	65	72	69	78	66	69	65.5
Dover	Maximum	78	70	82	85	83	84	75	78	79	77	77	82	86	91	79	80	81	83	92	91	84	82	80	82	84	82	81	86	86	82	70	81.7
	Minimum	64	64	61	61	64	61	51	55	52	48	62	60	55	69	61	50	64	67	70	73	65	60	58	60	62	62	69	67	64	64	65	61.5
Elizabeth	Maximum	85	77	90	84	85	92	85	83	79	79	72	86	100	96	91	87	81	84	100	98	88	88	84	90	91	89	90	91	91	85	75	87.0
	Minimum	67	70	66	69	69	69	57	60	60	57	67	64	72	76	67	65	73	75	72	77	71	68	64	61	68	69	73	72	68	67	68	67.8
Flemington	Maximum	81	74	88	92	86	85	84	84	79	76	81	83	92	96	88	86	91	83	98	94	87	82	80	81	89	84	80	92	93	87	76	85.5
	Minimum	65	66	62	66	66	66	55	59	50	52	64	60	59	69	59	54	67	69	71	78	70	66	61	62	65	66	71	69	66	65	68	64.1
Freehold	Maximum	89	73	87	88	89	85	85	83	83	83	74	84	88	93	91	85	84	83	97	94	92	89	87	87	84	83	86	90	90	85	77	86.1
	Minimum	63	64	63	65	66	56	56	58	60	53	63	60	61	68	60	57	66	68	69	77	68	64	58	62	67	65	72	68	65	66	64	63.6
Hammonton	Maximum	84	70	84	89	88	91	86	82	85	85	83	87	90	94	85	87	91	85	98	96	90	89	85	83	81	84	86	84	88	87	76	86.2
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Hightstown	Maximum	90	72	87	90	88	90	79	83	85	80	77	86	90	94	86	87	88	83	98	95	87	82	87	85	87	84	90	90	91	86	77	86.3
	Minimum	64	65	62	66	66	68	56	58	59	51	65	60	59	68	61	53	66	69	69	75	68	65	58	61	66	63	71	67	65	65	66	63.7
Indian Mills(near)	Maximum	90	73	86	92	88	91	80	82	85	85	82	87	89	94	85	86	89	84	98	95	88	85	88	83	85	84	84	88	91	90	80	86.7
	Minimum	65	66	62	67	64	68	60	60	58	47	65	61	57	67	63	51	64	70	68	75	68	65	55	61	66	64	70	66	65	66	69	63.6
Jersey City	Maximum	84	73	86	85	88	88	79	83	84	81	75	85	90	95	85	85	83	87	97	95	89	86	86	85	85	83	79	87	90	87	79	85.3
	Minimum	69	67	69	67	73	73	60	63	61	60	67	64	67	72	66	64	73	67	78	81	69	69	64	68	70	71	74	72	70	69	67	68.5
Lakewood	Maximum	89	71	84	85	87	90	85	84	84	79	76	86	90	94	88	86	84	83	97	94	86	80	84	84	84	84	83	88	89	83	77	85.1
	Minimum	65	65	65	65	66	68	57	58	61	53	65	63	59	69	60	54	67	70	69	75	70	65	58	61	68	64	73	68	66	66	67	64.5
Lambertville	Maximum	81	74	84	85	88	87	84	81	82	80	82	86	89	93	91	85	87	87	97	94	89	87	84	83	85	86	82	89	89	87	76	85.6
	Minimum	60	67	59	61	65	68	56	58	58	50	64	61	57	68	57	52	66	70	68	74	70	66	60	62	65	65	72	69	64	64	69	63.4
Layton(near)	Maximum	73	76	83	85	83	83	76	80	78	73	82	83	88	91	81	81	73	80	87	91	85	83	81	81	87	81	86	88	85	85	73	82.0
	Minimum	64	65	58	60	62	61	42	50	49	45	60	55	55	67	56	48	64	67	65	73	62	61	62	60	56	63	70	67	63	64	66	60.0
Little Falls§§	Maximum	83	78	86	88	86	87	80	82	84	77	80	86	91	94	83	85	87	89	96	96	86	86	86	85	89	87	80	91	91	87	78	85.9
	Minimum	66	65	62	65	65	66	52	55	55	51	63	60	57	72	62	52	63	67	70	76	68	63	58	62	65	63	72	71	64	65	66	63.3
Long Branch*	Maximum	85	71	85	83	88	91	78	83	78	75	75	85	89	93	83	80	83	83	92	94	86	77	80	81	85	82	83	88	88	82	75	83.3
	Minimum	66	66	66	69	70	62	58	62	64	60	66	64	65	70	63	57	69	70	72	77	71	63	60	65	69	70	72	70	69	68	69	66.5
Long Valley§§	Maximum	83	70	85	87	86	87	77	81	83	75	83	84	88	92	82	83	87	82	94	93	85	83	84	83	86	83	84	90	89	84	74	84.1
	Minimum	57	63	58	59	59	61	56	49	50	46	59	57	52	60	60	47	52	62	66	66	65	58	57	56	59	60	63	64	60	64	64	58.4
Moorestown*	Maximum	88	74	85	88	86	88	77	82	83	82	82	84	87	91	81	82	88	83	95	92	85	82	83	82	83	84	83	87	89	84	78	84.5
	Minimum	65	65	61	67	69	66	60	60	58	52	65	62	60	70	60	55	65	70	72	76	70	63	60	61	67	65	73	68	67	68	69	64.8
Newark*	Maximum	86	70	87	84	88	89	79	84	83	76	72	85	91	96	82	85	83	86	98	95	86	83	84	85	87	84	82	91	91	85	75	84.9
	Minimum	66	66	65	67	68	67	58	59	64	60	68	63	62	68	64	62	70	67	72	77	71	68	64	61	68	69	73	72	68	67	68	66.5
New Brunswick	Maximum	85	74	85	86	85	87	85	81	82	78	75	84	88	92	89	84	84	83	95	95	91	83	85	83	85	84	85	88	89	84	81	85.0
	Minimum	67	66	61	64	65	65	56	58	60	54	63	68	60	70	65	59	64	68	80	82	69	66	61	63	66	68	73	68	68	68	69	65.6
Newton	Maximum	81	74	85	83	85	85	77	80	81	76	78	82	89	92	82	82	83	83	94	93	86	85	84	84	89	81	87	89	87	83	77	83.8
	Minimum	64	61	56	62	61	59	50	52	48	47	58	60	55	68	58	49	61	64	68	73	63	69	60	58	58	62	66	65	59	59	62	59.8
N. Merchantville*	Maximum	89	72	87	91	90	91	81	83	86	85	85	88	90	95	85	86	92	85	99	96	89	86	87	83	86	87	90	92	92	89	81	87.7
	Minimum	66	67	64	70	70	68	63	62	65	58	66	66	64	71	66	60	69	71	73	76	71	66	63	65	69	68	70	70	69	69	70	67.3
Paterson§§	Maximum	83	69	88	89	86	88	79	82	83	79	77	86	91	94	84	85	85	88	98	96	90	87	86	87	89	88	80	91	92	89	76	86.0
	Minimum	65	64	62	64	67	68	55	57	56	53	64	60	59	63	64	54	62	66	69	73	68	65	60	63	65	64	69	70	65	65	65	63.4
Pemberton	Maximum	90	77	86	91	87	90	88	82	85	83	81	86	88	92	91	85	90	87	98	95	88	85	86	85	84	84	87	90	91	88	80	87.1
	Minimum	65	66	64	67	66	68	60	60	62	53	66	62	60	68	62	56	65	70	70	76	71	68	60	62	68	66	73	69	67	68	69	65.5
Phillipsburg	Maximum	87	80	86	88	88	86	79	83	84	77	84	87	90	93	85	84	88	86	98	94	87	84	84	80	87	84	83	88	87	83	74	85.4
	Minimum	58	65	59	63	63	64	54	54	58	50	61	59	56	66	59	52	65	69	68	74	68	65	64	60	62	65	69	67	64	64	67	62.3
Plainfield	Maximum	86	72	85	86	88	88	78	83	84	78	74	87	91	95	84	85	84	83	97	94	88	84	85	85	87	85	83	90	90	85	77	85.2
	Minimum	64	65	62	65	68	67	56	56	59	55	64	60	59	68	61	55	66	68	70	76	69	65	61	63	66	65	71	69	65	66	67	64.2
Pleasantville§§	Maximum	82	74	83	84	89	90	80	80	85	81	82	86	85	94	85	81	85	87	99	96	86	79	82	79	81	80	83	86	89	85	78	84.4
	Minimum	69	70	67	69	63	67	64	58	60	49	70	66	57	70	61	53	64	72	69	77	72	67	57	63	68	69	74	69	66	68	72	65.8
Ridgefield*	Maximum	83	69	87	87	87	88	78	82	83	75	72	85	91	94	82	83	81	87	98	93	87	86	85	84	88	87	78	90	88	85	75	84.5
	Minimum	67	65	64	66	68	63	56	60	58	55	65	63	61	71	59	57	67	66	70	75	67	68	60	66	67	66	72	71	67	67	65	64.9
Runyon	Maximum	89	71	85	89	90	91	81	84	83	76	77	88	78	82	94	86	85	84	97	95	85	84	85	82	86	84	91	86	91	84	81	85.3
	Minimum	62	63	62	63	58	61	54	52	48	44	56	60	54	58	60	56	45	68	66	76	56	54	52	52	56	64	67	64	60	60	62	58.5
Sandy Hook‡	Maximum	86	71	84	80	86	90	77	82	83	72	73	83	85	91	83	84	78	82	91	93	86	78	80	81	85	81	83	86	87	83	73	82.5
	Minimum	68	64	65	67	69	65	61	65	65	64	65	64	66	71	67	74	70	69	70	74	71	66	66	68	71	70	72	71	71	69	69	68.0
Somerville(near)	Maximum	83	70	86	87	85	86	75	82	83	75	80	83	89	93	81	82	85	83	95	92	86	84	84	84	84	83	85	89	89	84	74	83.9
	Minimum	64	65	60	64	67	64	52	57	60	54	63	62	62	69	61	57	64	66	72	74	68	62	61	64	64	64	69	61	60	64	66	63.2
Sussex	Maximum	83	79	85	86	85	84	76	81	80	78	81	84	88	93	83	83	83	85	92	92	86	85	84	83	88	83	84	90	87	83	81	84.4
	Minimum	64	65	57	61	61	63	49	51	49	46	61	58	52	69	59	48	62	66	69	73	64	62	62	60	59	63	69	66	61	65	60	60.5
Trenton*	Maximum	86	71	86	88	87	89	77	82	83	80	82	86	88	93	82	84	87	82	96	93	85	82	85	82	84	83	84	90	89	84	76	84.7
	Minimum	67	65	64	68	69	65	61	63	65	59	66	65	66	70	68	62	69	70	73	77	70	68	64	67	70	68	72	69	68	68	69	67.3
Trenton No. 2*	Maximum	88	71	87	88	88	89	79	84	84	81	83	86	89	93	83	84	88	82	97	94	88	84	86	83	86	85	86	90	90	85	77	85.7
	Minimum	66	67	62	68	68	69	58	62	62	55	66	63	62	69	62	58	68	70	71	76	70	65	61	65	67	66	71	68	67	67	68	65.7
Tuckerton	Maximum	85	77	82	85	89	94	83	80	85	80	83	85	88	95	88	83	85	87	99	98	87	82	80	82	85	84	85	90	93	84	79	85.9
	Minimum	68	68	65	70	70	68	61	60	60	54	65	65	60	70	60	58	65	70	70	78	68	65	58	65	68	66	73	70	68	65	70	65.8
New York, N. Y.*	Maximum	84	71	84	83	83	85	75	78	80	75	71	83	88	91	80	82	83	85	92	93	84	83	82	83	84	79	78	89	88	83	73	82.3
	Minimum	67	64	65	66	70	66	59	63	67	66	65	63	69	70	66	64	69	66	72	77	69	68	66	66	70	72	72	71	71	67	66	67.5
Philadelphia, Pa.*	Maximum	85	73	84	89	86	88	79	81	84	83	84	87	88	92	83	85	89	83	98	93	88	84	84	81	83	83	88	91	90	89	79	85.6
	Minimum	70	68	66	71	72	70	65	65	69	66	66	71	72	73	71	70	74	72	78	78	73	69	69	69	71	71	73	71	72	70	70	70.5

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

1.05
NJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

Vol. XLVII. August, 1942. No. 8.

GENERAL SUMMARY.

Temperature for August was practically normal. There was no extended heat wave and most stations had only two or three days with 90° or higher. The hottest days were the 1st, 2d, 15th, 16th, and 21st. The last week was cool with the lowest temperatures of the month on the 26th. Charlotteburg recorded 35° on that morning and ground temperatures of 30° were registered in the cranberry bogs, but no damage was caused.

This was the second wet month in succession. The average rainfall for the State of 8.24 inches was 170 percent of normal. It was heaviest in the Red Sandstone Plain area, particularly in Essex, Union, Morris, Bergen, Passaic and Somerset Counties. Heavy 24-hour falls were recorded on the 9th, 14th, and 17th. Rainfall was least in the Southern Interior. There were only seven stations in the State, however, that did not have more than the normal amount. The abundant and well distributed rains of July and August this year favored crop growth and excellent yields of most all field and truck crops were produced, especially of corn and potatoes, two leading staples. There was some damage to field tomatoes by the wet weather and some hay was lost because of unfavorable curing conditions. There was a large number of thunderstorms, and much fog for a summer month. No destructive windstorms were reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 38 stations, was 71.3°, which was 0.7° below normal. The highest temperature was 98° at Little Falls on the 1st, and the lowest, 35°, at Charlotteburg on the 26th. The highest monthly mean temperature was 74.0° at Bridgeton, and the lowest, 67.6° at Charlotteburg.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 59 stations, was 8.24 inches, which was 3.49 inches above normal. The greatest monthly precipitation was 14.65 inches at Canoe Brook, and the least, 3.65 inches at Freehold. The greatest amount of precipitation in any 24 consecutive hours was 5.17 inches at Elizabeth on the 9th. The average for the Highlands was 8.17 inches, for the Red Sandstone Plain 9.60 inches, for the Southern Interior 6.48 inches, and for the Sea Coast, 7.02 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +6.12 inches; Red Sandstone Plain, +4.31 inches; Southern Interior, −0.54 inches; Sea Coast, +0.25 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms: 2, 3, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 22, 23, 24, 29.

Dense Fog: 1, 9, 10, 11, 12, 14, 16, 20, 21, 26, 27, 29, 30, 31.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.05	30.41	26	29.73	23	13.0	37	se.	9	83	68	76	52
Long Branch	30.05	30.45	26	29.30	24	8.3	28	w.	23	83	60	78	59
Trenton	30.05	30.42	26	29.75	23	6.4	28	sw.	16	83	58	72	63

COMPARATIVE DATA FOR AUGUST.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	71.7	95	40	6.11	0	......	......	......	......
1886	69.5	96	42	2.81	0	......	......	......	......
1887	70.4	94	42	3.76	0	......	......	......	......
1888	72.5	98	41	6.13	0	......	......	......	......
1889	69.6	91	45	5.13	0	......	......	......	......
1890	71.5	99	40	4.90	0	11	8	15	8
1891	72.8	100	46	5.32	0	13	8	11	12
1892	73.4	99	46	3.63	0	9	12	13	6
1893	72.8	98	38	6.52	0	8	14	11	6
1894	70.9	97	44	2.58	0	7	13	12	6
1895	74.2	102	34	2.53	0	7	16	12	3
1896	73.6	105	39	1.83	0	7	17	10	4
1897	71.0	91	41	4.39	0	9	14	12	5
1898	74.8	98	42	5.36	0	10	12	12	7
1899	72.3	99	39	4.36	0	9	10	12	9
1900	76.3	104	41	2.68	0	10	15	11	5
1901	73.8	98	44	9.43	0	11	12	10	9
1902	70.1	93	40	3.91	0	9	15	13	3
1903	68.4	98	39	6.95	0	13	10	10	11
1904	70.8	92	37	6.62	0	9	15	10	6
1905	71.1	95	38	5.72	0	12	13	10	8
1906	74.6	97	42	5.95	0	13	10	11	10
1907	70.5	96	39	3.45	0	10	14	12	5
1908	70.6	103	36	5.05	0	10	11	10	10
1909	70.2	100	34	4.59	0	6	14	9	8
1910	70.4	92	36	3.78	0	10	9	10	12
1911	72.1	101	39	8.91	0	11	10	11	10
1912	70.0	95	35	3.42	0	10	12	13	6
1913	71.7	100	38	4.06	0	10	18	9	4
1914	73.3	98	46	3.15	0	9	13	12	6
1915	70.9	98	41	7.73	0	13	11	11	9
1916	73.2	100	40	1.34	0	6	20	7	4
1917	74.0	103	42	2.21	0	8	18	9	4
1918	74.4	108	40	1.85	0	7	18	7	6
1919	69.9	98	38	6.89	0	13	13	10	8
1920	72.3	94	42	6.10	0	17	8	11	12
1921	69.8	97	38	4.32	0	9	18	7	6
1922	71.2	96	39	4.03	0	12	13	9	9
1923	70.8	98	35	2.44	0	8	17	8	6
1924	71.9	102	38	4.40	0	8	18	8	5
1925	71.0	93	35	2.10	0	7	20	6	5
1926	72.8	101	38	6.58	0	14	11	9	11
1927	67.1	89	37	8.55	0	12	11	9	11
1928	74.5	99	45	6.72	0	13	12	8	11
1929	69.8	97	39	2.58	0	9	16	8	7
1930	71.1	101	34	3.32	0	6	16	9	6
1931	73.5	101	45	5.10	0	12	12	8	11
1932	73.5	99	44	2.75	0	7	20	7	4
1933	72.7	101	45	10.53	0	14	12	9	10
1934	69.8	100	33	3.61	0	10	14	8	9
1935	72.4	98	36	2.57	0	8	14	10	7
1936	74.2	101	44	4.14	0	10	14	9	8
1937	73.2	100	45	6.82	0	14	14	7	10
1938	75.4	100	41	3.09	0	8	18	8	5
1939	75.3	98	50	7.03	0	11	11	9	11
1940	69.4	95	32	5.96	0	12	10	9	12
1941	71.0	97	31	4.06	0	9	20	7	4
1942	71.3	98	35	8.24	0	11	13	8	10
Period	72.0	108	32	4.75	0	10	13	10	8

Climatological Data for August, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	73.4	+0.9	90	2	54	25	9.95	+5.46	2.13	8-9	0	14	7	12	12	s.	U. S. Weather Bureau.
Barnegat City††	Ocean	36	§22	70.2	...	90	22†	39	24	6.79	...	1.63	23	0	10	9	9	13	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	48	72.7	+0.3	93	17	42	26	10.53	+5.93	4.68	17	0	10	14	11	6	sw.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	4.93	...	2.13	9	0	13	11	5	15	se.	Fred Fine.
Belvidere	Warren	289	51	71.6	+0.3	92	1†	44	25	7.02	+2.45	2.21	14	0	9	18	3	10	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	6.28	...	1.36	9	0	9	21	4	6	...	Samuel H. McCulley.
Boonton	Morris	280	§52	69.4	−1.1	90	21	44	26	11.28	+6.59	2.40	10	0	12	19	2	10	ne.	John Kline.
Bridgeton	Cumberland	30	59	74.0	−0.7	92	1	49	25†	7.70	+3.03	1.63	10	0	11	20	3	8	se.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	10.21	...	2.96	12-13	0	12	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§56	...	...	...	...	50	25	5.48	−0.30	2.18	16-17	0	8	17	8	6	s.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	68.8	−1.9	97	1	41	25	14.65	+9.00	3.42	14	0	11	18	3	10	nw.	N. J. Water Policy Comm.
Cape May††	Cape May	17	54	73.6	+0.2	90	2	54	24	7.77	+3.51	1.50	23	0	12	7	10	14	s.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	67.6	−0.7	89	21	35	26	7.87	+3.37	3.07	8-9	0	14	8	9	14	w.	Newark Water Dept.
Chatham	Morris	185	38	...	...	...	...	...	...	13.40	+8.75	3.35	14	0	13	13	9	9	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	71.6	...	91	16†	42	26	8.13	...	2.57	17	0	10	6	18	7	w.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	73.2	−0.1	90	1†	47	26	6.87	+2.05	2.35	18	0	11	6	8	17	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	7.14	+2.49	2.64	9	0	12	...	...	...	...	L. S. Depue.
Dover	Morris	600	58	68.2	−1.1	86	1†	45	26	8.88	+4.38	3.78	9	0	10	4	14	13	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	8.17	+3.84	1.71	17	0	13	19	5	7	ne.	Chas. E. Hall.
Elizabeth	Union	34	63	...	...	94	16†	...	...	10.46	+6.13	5.17	9	0	12	11	6	11	w.	Union County Park Comm.
Flemington	Hunterdon	140	§56	71.5	−1.3	92	1	47	26	9.22	+4.70	4.46	9	0	11	20	5	6	sw.	Hiram E. Deats
Freehold	Monmouth	194	§38	71.4	−1.6	91	1†	46	25†	3.65	−0.98	1.08	9	0	12	17	8	6	se.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	...	...	91	15	...	...	8.45	+3.57	1.52	9	0	13	12	10	9	sw.	J. G. Wilson.
Hightstown	Mercer	110	49	71.3	−0.9	91	1	45	25†	3.91	−1.11	1.48	9	0	10	12	12	7	se.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	72.0	−0.6	90	1†	42	26	5.72	+0.19	1.99	9	0	12	7	17	7	sw.	Edward Entwistle.
Jersey City	Hudson	81	44	73.8	−0.2	92	21	52	26	9.16	+1.83	3.47	9	0	10	9	10	12	s.	Jersey Journal.
Lakewood	Ocean	54	38	71.4	−0.1	90	2	46	26	5.75	+0.56	2.00	9	0	12	5	14	12	sw.	R. W. Holman.
Lambertville	Hunterdon	75	55	72.0	−0.3	90	1†	44	25	8.52	+3.72	4.40	9	0	9	20	6	5	s.	George Bailey.
Layton(near)‡‡	Sussex	480	41	68.0	−0.7	89	2†	38	25	4.95	+0.86	2.06	8-9	0	10	15	3	13	s.	A. M. Depue.
Little Falls	Passaic	157	39	72.0	−0.1	98	1	45	26	10.19	+5.23	2.37	9	0	12	16	7	8	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	72.2	+0.7	90	1†	50	26	5.42	−0.06	2.09	9	0	10	6	15	10	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	68.0	...	90	1†	38	26	12.07	+6.73	2.32	1	0	11	19	6	6	w.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	4.32	...	1.40	9	0	11	12	12	7	s.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	6.84	...	1.74	12	0	10	8	9	14	...	Paul Ritchie.
Moorestown	Burlington	62	79	71.6	−1.1	89	1	47	26	7.48	+2.11	1.08	18	0	11	9	11	11	s.	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	13.86	...	3.87	9	0	12	15	7	9	...	James C. Long.
Newark	Essex	10	43	72.6	−0.4	92	21	51	26	8.46	+3.91	3.25	9	0	11	5	9	17	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	71.6	−0.6	90	1	45	26	6.69	+1.29	2.95	9	0	14	13	10	8	se.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	10.66	+6.30	4.73	9	0	9	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	68.5	−1.9	90	21	42	24†	8.86	+4.51	2.04	8-9	0	13	8	8	15	sw.	Irving J. Kern.
Orange	Essex	63	8	...	...	...	...	...	...	11.85	...	4.60	9	0	10	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	71.5	−0.7	92	21	47	26	10.84	+6.21	4.05	9	0	9	12	11	8	sw.	J. W. Cook.
Pemberton	Burlington	53	13	73.6	−0.8	94	1	47	26	4.59	−0.63	1.14	9	0	14	12	9	10	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	70.2	−1.6	91	1	44	26	6.77	+2.37	3.12	9	0	11	11	9	11	...	Town Engineer.
Plainfield	Union	120	54	71.6	−0.2	91	1	48	26	11.74	+6.64	4.95	9	0	10	9	8	14	s.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	5.45	...	2.44	9	0	...	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§14	71.8	−0.4	90	2†	46	26	9.61	+4.95	2.44	10-11	0	12	13	11	7	s.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	9.04	...	4.30	10	0	6	11	8	12	ne.	Louis Fontenelli.
Ridgefield	Bergen	80	25	71.6	−0.2	91	21	47	26	10.15	+5.24	4.70	9	0	12	8	13	10	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	69.8	−1.9	92	1	37	26†	4.60	−0.28	1.75	9	0	9	15	10	6	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	73.0	+0.5	89	21	57	25	4.90	−0.08	1.70	8-9	0	10	10	6	15	s.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	70.8	−1.5	89	2†	44	25	10.15	+5.23	5.01	9	0	13	17	4	10	s.	Richard H. Rogers.
Sussex	Sussex	450	47	69.4	−0.6	89	21	41	25†	8.52	+4.52	3.97	16	0	15	17	4	10	w.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	7.18	+1.57	1.40	9	0	11	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	70	72.7	−0.3	90	1	52	25	4.69	−0.06	1.78	8-9	0	9	5	11	15	s.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	72.0	...	91	1	48	26	6.58	...	2.54	8-9	0	9	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	72.6	−0.1	91	23	47	26	10.69	+5.39	4.30	12-13	0	10	15	4	12	sw.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	7.35	+2.86	1.57	18	0	13	15	7	9	w.	J. Davis Gauntt.
Westfield	Union	145	2	...	...	...	...	...	...	10.17	...	2.38	10	0	9	15	6	10	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	9.61	+5.46	4.57	9	0	10	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	5.91	...	1.70	9	0	7	14	11	6	s.	Geo. S. Keen
New York, N. Y.	...	10	72	72.8	−0.3	89	21	56	25	7.01	+2.68	2.81	9	0	11	10	9	12	n.	U. S. Weather Bureau.
Philadelphia, Pa	...	26	72	71.1	−0.7	92	1	55	25	6.55	+1.93	1.68	12-13	0	9	8	11	12	sw.	U. S. Weather Bureau.
For the State	...	...	...	71.3	−0.7	98	1	35	26	8.24	+3.49	5.17	9	0	11	13	8	10	s.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-12-31 42-925

Daily Precipitation for August, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast		.27	T.		T.		.02	.22	1.94	.01		.90	.85	1.12			1.73	.01					2.03	.03					.81	.01		9 95
Barnegat City[4]	Coast	.08							.19	1.44	.59		.87	.30	.21			1.06						1.63						.42			6.79
Belleplain	Tuckahoe			.05					.15	1.78	.02		.95	.60	.08			4.68							2.11					.11			10.53
Belmar	Coast	.02							T.	2.13	.18		.03	.17	.05	.87		.03	.05	.27					.75					.15	.23		4.93
Belvidere	Delaware								.05	1.63	.31		.04	.31	2.21		1.42	1.01						T.						.04			7.02
Berlin	Mullica		.90						.50	1.36			.25		.60		.35	.30						.67						1.35			6.28
Boonton[3]	Passaic	.86								1.82	2.40	1.85		.04	2.06	.45		.78	.39					.23	.18						.22		11.28
Bridgeton	Delaware								08	.32	1.68	.03	.97	.77	.46			1.56	1.06						.73					.04			7.70
Brooklawn	do			.17					1.00	1.56	.05		2.65	.31	2.05		.80	.42	.61						.41					.18			10.21
Burlington	Delaware									1 27	.03		.15	.37	.65		.88	1.30							.83								5.48
Canoe Brook[3]	Passaic	.90								1.85	2.83	1.68		.13	3.42	.18		1.93	1.08						.18						.47		14 65
Cape May[2]‡	Coast			T.	T.	.60	.10		.80	1.17	T.		.25	.97	.80			1.12	.02					1.50						.43	.01		7.77
Charlotteburg	Passaic	.50		.01					*	3.07	.71	.30		.21	.42		.14	.65	1.50						.20					.14		.02	7.87
Chatham[3]	do	.96	.01							1.92	1.96	1.76		.15	3.35	.28	T.	1.64	1.11					.04	.11					T.	.11		13.40
Chatsworth	Coast								.05	1.51	.03		.40	.32	.75			2.57	.23						.98					1.29			8.13
Clayton	Delaware			.17					.13	1.68	.08		.28	.26	.14			.60	2.35						.92					.26			6.87
Culvers Lake	do	T.	T.	.03						2.64	.10	.18		.11	.70		2.08	.84	.07					.28	06					T.	.05		7.14
Dover	Passaic									3.78	1.68			.82	.15	.15	*	1.73					.02	.23	T.					.32			8.88
Egg Harbor City[2]	Mullica		.25	.18					.25	1.04	.12	.30	1.70	.35	.78			1.71						.80	.02					.67			8 17
Elizabeth	Coast								T.	5.17		.15	.01	1.50	.70	.01	.76	.40	1.39					.09	.20					.08			10.46
Flemington	Raritan								T.	4.46			.03	1.29	1.15		.32	.63	.79					.18	.19					.10	08		9.22
Freehold	do	.19								1.03	.32	.22	T.	.26	.10	.19	.39	.09	.10					.70						.12	T.		3.65
Hammonton	Mullica	.20		.82					.88	1.54	.11		.66	.35	1.06			.30	.97						.85					.66	.07		8 45
Hightstown	Raritan								T.	1.48	T.		.12	.85	.31		.03	.42	.01	T.				.05	.61					.03			3.91
Indian Mills	Mullica		.29	.01					.10	1.99	T.		.13	.28	.43	T.		1.10	.10					T	.56					.72	.01		5.72
Jersey City	Coast	.19							T.	3.47	T.	.17	.01	.11	1 55	T.	2 09	1.16	T.				T.	.38	T.					.03			9.16
Lakewood	Metedeconk	.05							.04	2.00	.87		.07	.25	.60		.07	.17	.30						.85					.48			5.75
Lambertville	Delaware								.02	4.40	T.		.58	.37	1.21		.54	1.00	T.					T.	.37					.03	T.		8.52
Layton (near)	do		.03						.14	1.92	.21			.30	.56		1.07	.40						.29	.03								4 95
Little Falls[3]	Passaic	.85								2 37	1.18	1.42		.04	2.12	.59		.87	.38					.12	.12						.13		10.19
Long Branch[2]‡	Coast								T.	2.09	.15		.02	.11	.73		.19	.91						.83					.17	.22			5.42
Long Valley[3]	Raritan	2.32								2.20	1.28	2.00	T.	.13	1.40	.88		.81	.76						.23						.06		12.07
Marlton	Delaware		.03						.11	1.40	.04		.58	.10	.13		.05	1.01	T.						.64					.23			4.32
Millville[2]‡	Maurice		.26						.55	.87			1.74	.29	.63			1.59						.81					.06	.04			6.84
Moorestown[3]	Delaware	.83	T.	T.					T.	.92	.53	T.	.27	.99	.87	T.		1.00	1.08	T.					.64					.03	.32	T.	7.48
Morris Plains	Passaic	1.05								3.87	.96	2.09		.57	2.48	.78	.33	.60	.35				T.		.17					.61	T.		13.86
Newark[1]	Coast								T.	3.25	.22		.01	1.32	.65	T.	1.25	1.40					.07	.18					.02	.09			8 46
New Brunswick	Raritan	.01							T.	2.95	.01	.02	.04	1.84	.15		.14	.36	.21					.11	.52		.32			.01			6.69
New Milford[2]‡	Hackensack									4.73	1.24		.03	.91		.42	2.18	.90						.12						.13			10.66
Newton	Delaware								.04	2.00	1 30	.70	.02	.20	1.31	T.	1.64	1.42	.03					.08						.06	.06		8.86
Orange[2]‡	Passaic									4.60	1.59	.01		2.05	.08		*	*	3.17					.13						.22			11.85
Paterson[3]	Passaic								T	4.05	1.20		T.	1.98	.08	.82	1.22	1.29				T.	T.	.11	T.					.09			10.84
Pemberton	Delaware	.09	.01						.06	1.14	.79		.08	.21	.32		.06	.37	.66					.04						.72	.04		4.59
Phillipsburg	do		T.						.12	3.12	.05		.04	1.44	.12		.39	.85						.28						.32	.04		6.77
Plainfield	Raritan	.82							T.	4 95	T.	.10	T.	1.87	.67		1.15	1.59						.18	.22					.19			11.74
Plainsboro	Raritan									2.44			.11	1.01	.40		.19	.42	.17					.67						.04			5 45
Pleasantville[3]	Coast	.82		.26						.71	1.30	1.14	.11	1.11	.73	T.			.79						1.73					.78	.08		9 61
Rahway[3]‡	Rahway									T.	4.30	T.	.05		1.85			1.13	1.08						.63						T.		9.04
Ridgefield[2]	Hackensack									4.70	1.18	.03	T.	.82	.82	.18	1.06	.80					.26	.08	.03					.19			10.15
Runyon	Coast									1.75		.10	.03	.85	.37		.36	.30	.27						.57								4.60
Sandy Hook[2]‡	Coast								.03	1.67	.69		.02	.12	.29		.70	.48						.61					T.	.29			4.90
Somerville (near)	Raritan									5.01	.02		*	2.50	1.09	.02	.19	1.00	.01					.05	.07					.15	.04		10.15
Sussex	Hudson	.01	T.	.04					.03	1.93	.05	.03		.04	.34	.80	3.97	.91	.15					.06	.06					.10	T.		8.52
Toms River	Coast								.02	1.40	1.15	.40	.40	.45	.45		.02	1.22						.95					.72				7.18
Trenton[1]‡	Delaware		T.						.09	1.69	T.		.21	.74	.14		.83	.37						.58						.04			4 69
Trenton No. 2[2]	Delaware	T.	T.						.08	2 46	T.		.21	1.32	.13		.96	.75						.62						.05			6.58
Tuckerton	Coast			.46						1.56	.08		2.84	1.46	.32			.92	.81						1.70					.54			10.69
Vineland[3]	Maurice	.07		.53					.06	1.45	.10	.19	.55	.52	1.54			.04	1.57						.63					.10			7 35
Westfield[3]‡	Rahway									2.32	2.38	.21		.10	2.23			1.45	1.05						.28					T.	.15		10.17
Woodcliff Lake[2]‡	Hackensack									4.57	1.20			.82	.10	.11	1.70	.73					.17	.14						.07			9.61
Woodstown	Delaware			.12						1.70			.52	.85	.97			1.10												.65			5.91
New York, N. Y[1]‡	Coast								T.	2 81	.13		.01	.97	.26		1.11	1.22					.17	.26					.05	.02			7.01
Phila., Pa[1]‡	Delaware		T.						.48	.83	T.		1.58	1.25			.99	.51						.58					.09	.24			6.55

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.160	.160	.224	.112	.160	.192	.144	.186	**	.160	160	.002	**	.020	.112	.298	.152	.160	.112	112	.096	.064	.180	.224	.160	.128	.096	.096	.054	.096	.160	4.253
	Wind movement	2	3	7	3	1	3	1	9	9	3	1	0	2	1	1	4	1	1	0	2	1	5	7	10	2	2	3	4	2	2	3	95
Pleasantville[3]	Evaporation	.064	260	.224	.128	.096	.256	.160	*	*	.046	.206	.022	.186	*	.192	*	.150	.192	160	.144	.128	.288	.244	.256	.224	.192	.192	.172	*	.208	.192	4.582
	Wind movement	*	37	19	12	9	29	21	75	*	52	36	15	56	51	37	104	52	11	14	31	12	43	46	55	29	22	31	17	36	14	15	981
Runyon	Evaporation	.250	.249	.210	.160	.165	.165	.170	.090	.050	.110	*	*	.180	.210	.210	200	.180	.150	.120	.120	.160	.180	.180	.090	.160	.160	.150	.150	.060	.120	.150	4.540
	Wind movement	10	5	7	9	11	12	10	16	12	8	8	3	4	11	14	34	12	11	9	5	6	17	20	10	8	11	13	27	17	13	9	362

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for August, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	84	90	88	79	76	75	79	74	78	81	83	81	79	79	82	81	80	79	83	79	85	90	90	77	69	71	73	74	72	71	70	79.1
	Minimum	70	73	73	71	66	66	65	69	68	70	72	72	72	72	73	75	72	70	66	69	72	75	62	60	54	56	59	61	66	66	60	67 6
Barnegat City‡	Maximum	82	89	88	82	74	75	80	74	87	79	81	78	80	78	81	81	80	76	80	80	89	90	90	76	68	72	73	79	74	70	71	79.3
	Minimum	68	68	68	66	63	63	62	63	63	64	64	68	68	64	68	70	67	58	52	60	70	69	68	39	48	50	50	47	54	51	58	61.0
Belleplain	Maximum	90	90	89	88	74	86	86	70	84	87	86	85	85	86	89	89	93	88	87	86	87	88	89	75	75	77	85	85	71	75	83	84.1
	Minimum	65	78	71	63	56	56	52	61	62	63	61	66	68	70	70	71	73	67	56	55	70	69	73	57	45	42	46	46	62	58	48	61.3
Belvidere	Maximum	92	88	90	83	81	80	85	71	71	85	88	81	75	90	92	86	86	83	87	90	92	89	82	72	71	79	81	77	74	80	84	82.7
	Minimum	69	63	68	55	53	52	54	60	61	63	61	64	68	70	68	70	67	60	57	60	66	70	68	57	44	47	50	54	65	62	54	60.6
Boonton§§	Maximum	88	84	84	79	77	76	81	74	68	79	85	78	75	81	88	86	85	81	84	81	90	87	81	71	71	76	75	76	68	77	79	79.5
	Minimum	64	60	66	55	52	52	52	55	58	62	62	65	66	70	71	71	68	62	57	59	60	69	68	60	49	44	47	51	54	60	50	59.3
Bridgeton	Maximum	92	90	88	85	76	80	85	77	76	84	85	85	84	85	90	90	90	80	85	85	88	90	88	82	74	80	80	80	76	78	82	83 5
	Minimum	69	71	72	65	60	58	59	65	65	70	65	70	70	71	72	75	72	67	62	60	70	71	73	60	49	49	52	54	65	60	54	64.4
Burlington	Maximum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
	Minimum	74	76	67	68	65	62	69	60	63	68	63	64	65	75	67	69	66	75	70	65	66	72	65	60	50	52	53	56	65	62	62	65.0
Canoe Brook§§	Maximum	97	87	82	80	76	77	80	77	67	79	82	76	73	81	95	84	85	81	81	83	87	82	78	73	71	71	74	78	75	76	75	79 5
	Minimum	65	58	66	51	48	49	51	54	58	62	59	64	67	68	70	72	66	61	55	55	65	69	70	55	41	44	47	49	57	57	51	58.2
Cape May.*	Maximum	87	90	86	79	76	77	77	72	76	80	82	81	78	78	80	81	80	79	81	79	85	89	89	74	70	80	76	72	74	74	74	79.2
	Minimum	75	78	71	67	64	67	71	68	71	70	73	71	72	73	74	74	71	68	72	69	73	76	63	54	56	59	61	66	64	58	59	68.0
Charlotteburg	Maximum	86	86	82	82	79	76	81	81	78	72	84	83	74	81	88	85	85	79	84	82	89	88	84	79	70	75	75	76	76	77	78	80.5
	Minimum	65	58	67	46	48	44	46	47	49	60	57	59	59	66	67	69	63	57	56	52	66	70	64	54	41	35	41	44	55	54	45	54.8
Chatsworth	Maximum	90	89	89	81	74	79	84	76	78	84	87	80	81	82	90	91	85	77	85	80	90	91	90	79	72	75	74	82	72	74	76	81.8
	Minimum	66	68	72	61	53	54	53	56	60	62	63	66	67	69	71	71	65	68	58	53	70	73	73	73	46	42	47	48	63	59	51	61.3
Clayton	Maximum	90	89	89	86	77	79	85	80	78	86	88	84	83	85	90	90	85	83	84	84	87	89	89	86	72	77	78	79	74	76	78	83.2
	Minimum	67	70	72	63	60	56	58	61	61	61	64	68	69	71	72	72	77	66	61	58	69	70	73	66	48	47	49	57	64	59	53	63.3
Dover	Maximum	86	83	83	76	75	75	78	71	66	75	82	77	72	81	85	83	83	78	80	80	86	86	80	72	68	68	73	75	68	73	76	77.2
	Minimum	66	60	63	53	51	50	53	55	60	61	60	63	68	69	69	70	72	60	56	57	67	71	63	52	48	45	47	51	63	59	52	59.2
Elizabeth	Maximum	91	91	87	85	78	83	87	76	71	88	89	83	74	81	92	94	86	81	80	87	94	91	85	81	78	78	77	83	77	81	87	83.7
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Flemington	Maximum	92	87	86	87	81	77	77	77	70	85	90	82	75	88	87	85	87	82	82	85	85	85	85	74	73	73	75	75	73	74	74	80.9
	Minimum	69	64	72	53	56	57	58	60	62	61	64	67	70	71	72	72	69	64	60	58	69	71	71	54	50	47	51	53	65	62	53	62.1
Freehold	Maximum	91	90	88	88	82	79	81	73	72	82	86	79	80	83	91	89	83	83	85	85	90	89	88	74	73	73	75	79	72	76	75	81.7
	Minimum	67	64	71	57	55	56	58	60	62	61	63	67	69	62	67	70	69	63	59	59	70	71	68	57	46	46	50	53	62	59	50	61.0
Hammonton	Maximum	87	88	88	80	71	79	85	72	78	89	89	82	83	86	91	90	84	78	82	80	84	84	88	82	74	78	80	81	75	76	78	82.0
	Minimum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	......
Hightstown	Maximum	91	90	89	82	75	79	83	71	74	83	89	77	79	84	90	89	84	80	85	85	90	88	87	74	72	76	78	80	71	74	77	81 5
	Minimum	68	64	71	56	55	55	57	58	61	60	62	67	68	69	72	71	68	64	57	59	70	70	70	57	45	45	49	51	64	60	50	61.1
Indian Mills(near)	Maximum	90	89	88	83	74	82	86	70	77	85	87	81	82	83	90	89	84	80	86	85	89	90	89	75	75	77	80	80	71	75	78	82.3
	Minimum	67	68	72	61	54	55	55	59	61	64	64	68	69	71	73	73	69	66	57	55	70	70	74	58	46	42	47	48	63	59	61	61.6
Jersey City	Maximum	91	89	89	85	79	79	83	77	74	79	84	81	78	80	85	85	83	81	85	86	92	90	84	75	74	74	74	78	79	80	78	81.6
	Minimum	69	69	75	66	62	59	60	65	64	67	67	70	71	72	75	74	71	67	64	66	74	75	67	63	54	52	54	62	68	62	58	65.9
Lakewood	Maximum	88	90	87	82	75	79	82	75	75	80	85	79	79	81	89	87	84	81	83	85	89	89	89	80	71	75	76	80	70	74	74	81.1
	Minimum	69	61	72	59	54	56	56	57	57	63	64	62	69	70	73	71	70	66	60	59	69	72	74	59	48	46	49	52	63	61	51	61.7
Lambertville	Maximum	90	88	88	84	78	79	83	80	74	84	86	84	80	84	90	88	83	81	83	85	89	88	85	80	73	76	76	79	76	76	79	82.2
	Minimum	70	64	71	56	53	56	57	60	61	62	63	67	70	71	72	72	70	65	59	58	68	70	71	58	44	46	49	52	65	61	53	61.7
Layton(near)	Maximum	87	89	83	80	75	78	80	71	68	81	82	71	71	81	87	81	83	80	82	83	89	88	80	68	73	78	77	70	70	70	82	78.6
	Minimum	67	58	64	59	47	47	50	50	60	62	59	62	65	69	64	67	65	55	55	58	60	66	64	56	38	44	45	55	60	60	53	57.3
Little Falls§§	Maximum	98	87	87	82	79	80	85	75	70	81	87	79	75	84	90	89	87	83	86	85	91	90	83	73	74	78	77	80	69	79	81	82.1
	Minimum	66	62	69	55	52	53	54	57	62	63	62	66	70	70	70	74	68	64	58	59	71	72	72	58	47	45	50	52	65	60	73	61.9
Long Branch*	Maximum	90	89	88	82	74	77	79	76	75	82	82	78	79	82	88	87	83	80	83	87	90	89	89	75	70	74	73	76	70	74	73	80.5
	Minimum	70	67	67	62	59	61	60	60	66	65	66	70	73	70	74	75	73	64	62	63	72	74	62	57	55	50	53	55	63	59	54	63.9
Long Valley§§	Maximum	90	87	87	79	76	78	82	72	70	79	84	78	74	82	88	80	86	82	83	83	90	87	80	73	74	77	77	79	70	78	80	80.2
	Minimum	65	57	61	51	48	48	49	52	58	60	57	61	65	67	65	69	64	59	52	52	57	64	67	53	44	38	42	47	50	57	48	55.7
Moorestown*	Maximum	89	88	87	80	75	78	82	70	75	84	85	77	80	85	88	87	85	76	83	84	87	87	85	72	70	75	76	78	73	74	76	80.4
	Minimum	70	70	73	62	60	56	60	63	62	64	65	68	69	70	72	71	69	65	60	61	71	71	65	53	49	47	50	53	64	60	52	62.7
Newark*	Maximum	91	89	88	81	78	78	82	76	70	79	85	78	75	81	87	90	88	83	85	86	92	91	86	74	72	74	75	79	70	77	77	81.2
	Minimum	68	67	71	62	62	62	59	62	64	65	64	69	70	72	74	71	68	66	61	62	71	73	65	59	52	51	56	56	66	61	56	64.0
New Brunswick	Maximum	90	89	87	82	77	77	82	77	75	81	86	80	75	82	89	88	84	80	84	84	88	87	84	73	71	74	76	78	75	79	76	81.0
	Minimum	69	63	72	66	58	58	62	60	60	60	63	66	68	69	73	70	70	58	62	60	70	72	69	58	49	45	50	54	64	60	49	62.2
Newton	Maximum	88	85	83	79	78	72	82	74	78	77	85	79	73	85	88	85	85	81	85	84	90	88	81	73	78	78	77	77	70	75	81	80.5
	Minimum	64	58	65	52	51	48	51	54	54	62	55	61	64	67	64	66	64	55	53	57	65	67	62	42	42	44	47	51	60	55	50	56.5
Paterson§§	Maximum	90	88	87	82	79	82	85	77	69	80	88	79	75	83	90	88	88	83	87	85	92	90	85	74	76	78	78	80	70	79	82	82.2
	Minimum	65	62	68	56	55	55	55	57	62	62	62	64	68	69	70	72	68	64	59	60	64	72	72	57	49	47	50	53	56	60	51	60.8
Pemberton	Maximum	94	89	89	88	79	79	84	78	75	87	88	84	83	85	91	90	85	83	86	85	90	89	88	85	75	77	78	81	77	76	79	83.8
	Minimum	69	67	73	61	57	58	59	61	62	65	65	70	70	71	74	74	70	67	60	58	70	71	74	59	49	47	50	52	64	61	54	63.3
Phillipsburg	Maximum	91	87	88	80	76	79	82	69	70	83	85	78	76	86	90	81	84	80	82	85	88	89	83	70	74	77	76	77	70	76	80	80.4
	Minimum	69	62	69	55	54	54	55	60	60	63	63	65	68	68	69	70	66	60	59	57	63	70	62	56	46	44	50	52	64	59	52	60.1
Plainfield	Maximum	91	87	90	80	80	78	83	74	69	80	87	76	75	82	89	90	86	80	85	85	90	90	85	74	73	75	77	79	72	76	79	81.2
	Minimum	68	63	71	59	56	57	58	59	63	62	63	68	69	70	72	71	68	62	58	60	69	72	66	59	52	48	51	53	64	61	53	62.1
Pleasantville§§	Maximum	89	90	88	79	77	77	80	72	78	83	85	82	83	80	85	84	85	80	82	82	89	89	90	75	70	73	74	76	71	73	72	80.4
	Minimum	69	71	72	64	59	60	54	64	66	65	65	70	70	70	69	75	74	70	58	56	65	72	75	60	50	46	49	49	60	63	52	63.3
Ridgefield*	Maximum	89	88	87	81	77	78	82	75	68	77	86	77	75	82	88	89	87	81	85	86	91	90	85	73	73	77	76	77	68	78	81	80 9
	Minimum	68	64	68	58	55	56	56	60	63	64	63	68	70	71	74	72	70	66	60	62	70	73	64	55	48	47	53	56	66	60	52	62.3
Runyon	Maximum	92	91	88	82	84	86	84	76	72	82	87	85	82	82	91	90	82	84	8	88	90	88	86	84	72	72	74	78	76	75	75	82.6
	Minimum	68	63	58	56	56	41	48	61	56	56	60	62	63	62	67	69	68	61	50	52	54	70	71	56	39	37	37	45	65	63	43	56.9
Sandy Hook‡	Maximum	88	87	88	79	75	78	80	75	74	79	81	75	77	80	85	86	81	79	84	83	89	88	87	75	72	73	73	77	69	74	73	79.4
	Minimum	70	71	72	68	61	65	65	68	65	66	67	71	70	72	74	73	70	68	66	67	72	75	64	61	57	60	59	61	65	63	52	66.5
Somerville(near)	Maximum	88	89	89	79	78	79	83	71	67	80	85	77	75	82	89	88	82	80	84	83	89	88	85	70	72	75	77	78	70	72	80	80.1
	Minimum	68	66	72	56	56	51	56	59	62	6	65	67	69	70	72	71	67	60	59	60	69	72	65	57	44	49	52	55	63	58	52	61 5
Sussex	Maximum	87	85	84	81	78	78	81	77	69	80	84	81	77	85	88	85	84	80	83	83	89	88	85	71	73	76	76	76	74	73	82	80.4
	Minimum	67	57	65	53	49	49	52	51	60	62	59	63	67	69	66	68	68	58	55	58	64	70	68	56	41	41	48	52	62	57	52	58.4
Trenton*	Maximum	90	89	88	81	75	77	82	70	74	84	87	77	80	85	90	89	82	80	84	84	89	89	87	72	73	76	76	77	71	74	77	80.9
	Minimum	70	70	70	65	62	60	62	63	6	64	67	70	70	72	72	70	70	68	64	63	72	72	63	55	52	53	55	59	65	61	57	64.5
Trenton No. 2*	Maximum	91	89	89	82	75	80	84	71	75	84	86	77	82	85	90	89	82	81	84	85	89	89	86	73	74	77	77	79	71	77	78	81.6
	Minimum	69	67	69	60	58	57	59	61	61	63	65	68	69	71	73	71	69	65	61	6	71	72	62	55	50	48	52	51	65	58	54	62.5
Tuckerton	Maximum	85	90	89	87	79	78	80	74	78	83	85	82	80	81	85	86	87	80	80	83	90	90	91	80	72	73	75	78	70	74	74	81.3
	Minimum	70	70	70	65	58	59	55	63	65	64	67	70	70	70	72	75	74	68	60	58	70	71	70	58	49	47	60	58	64	64	50	64.0
New York, N. Y.*	Maximum	88	85	86	76	76	75	80	74	70	76	84	77	75	81	85	84	85	80	83	83	89	87	81	71	70	74	74	77	70	77	75	79.0
	Minimum	68	71	71	67	63	65	64	68	64	66	68	72	70	72	74	71	69	68	68	66	72	75	63	60	56	59	61	60	65	63	62	66.5
Philadelphia, Pa.*	Maximum	92	90	90	81	75	80	83	69	75	81	87	78	81	84	90	88	83	82	84	83	89	88	85	74	74	77	77	77	72	76	78	81.5
	Minimum	70	76	75	70	68	63	67	61	61	67	70	68	69	72	74	71	70	68	67	67	74	73	65	58	55	58	60	61	65	63	62	66.7

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

05
NJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

Vol. XLVII. September, 1942. No. 9.

GENERAL SUMMARY.

Temperature was practically normal for the month. A few stations in the southern portion of the State averaged a degree or two above normal, while in the northern part, the average tendency was slightly below normal. Unseasonably warm weather prevailed on the 3d and during the period from the 15th to 17th. The last two days were cold with severe frosts at a number of stations. The lowest temperatures reported were 25° at Runyon on the 30th and 27° at Charlotteburg on the 29th. Severe frosts were numerous in the Cranberry bogs but due to flooding of the bogs, little damage occurred.

Rainfall was very uneven, being quite heavy over the northern one-third of the State, but much below normal in the southern interior. Long Valley recorded 9.31 inches while Pemberton recorded only 0.98 of an inch for the month. This was the third consecutive month, however, with precipitation considerably above normal for the State as a whole. The principal storm periods were from the 7-10th, 17-20th, and 26-28th.

Sunshine was normal. The only gale winds recorded were in coastal areas on the 27th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 39 stations, was 66.1°, which was 0.3° above normal. The highest temperature was 96° at Burlington on the 3d, and the lowest, 25°, at Runyon on the 30th. The highest monthly mean temperature was 70.4° at Cape May, and the lowest, 61.4° at Dover.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 61 stations, was 4.55 inches, which was 0.76 inches above normal. The greatest monthly precipitation was 9.31 inches at Long Valley, and the least, 0.98 inches at Pemberton. The greatest amount of precipitation in any 24 consecutive hours was 3.60 inches at Lakewood on the 18th. The average for the Highlands was 6.31 inches, for the Red Sandstone Plain 5.42 inches, for the Southern Interior 2.51 inches, and for the Sea Coast, 3.98 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +8.62 inches; Red Sandstone Plain, +6.07 inches; Southern Interior, −1.55 inches; Sea Coast, +1.16 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Thunderstorms: 4, 10, 15, 16, 17, 18, 27, 28.
Dense Fog: 1, 2, 8, 9, 10, 11, 16, 17, 19, 20, 24.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Atlantic City	30.00	30.55	29	29.68	27	12.4	43	se.	27	81	69	79	64
Long Branch	30.05	30.56	29	29.64	27	11.2	46	s.	27	84	59	73	66
Trenton	30.05	30.56	29	29.65	23	7.2	31	nw.	27	85	57	73	65

COMPARATIVE DATA FOR SEPTEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	64.2	93	38	0.83	0	……	……	……	……
1886	66.9	95	36	1.13	0	……	……	……	……
1887	61.6	90	30	3.66	0	7	……	……	……
1888	63.1	84	29	7.09	0	12	……	……	……
1889	64.8	90	34	8.36	0	14	……	……	……
1890	64.4	91	33	4.75	0	10	10	10	10
1891	68.7	95	38	2.46	0	6	16	9	5
1892	64.2	90	33	1.81	0	6	15	11	4
1893	62.7	90	31	3.20	0	8	12	10	8
1894	68.8	97	31	7.46	0	8	10	10	10
1895	69.7	**109**	29	1.07	0	5	17	10	3
1896	65.1	95	30	4.37	0	5	19	7	4
1897	65.5	99	30	1.65	0	5	19	7	4
1898	68.6	100	31	2.00	0	6	17	8	5
1899	64.4	93	30	5.88	0	9	15	9	6
1900	69.9	98	32	2.86	0	6	14	10	6
1901	66.8	94	29	3.38	0	10	15	9	6
1902	64.6	93	30	5.65	0	13	11	7	12
1903	65.0	92	29	3.34	0	7	17	8	5
1904	64.8	93	**23**	4.79	0	7	14	10	6
1905	65.4	90	28	5.23	0	8	16	7	7
1906	68.9	94	33	2.19	0	7	15	9	6
1907	67.1	92	31	8.08	0	14	10	8	12
1908	65.7	90	29	2.09	0	3	11	10	9
1909	64.5	89	30	3.30	0	8	11	10	9
1910	67.3	97	32	2.39	0	6	12	10	8
1911	66.4	90	30	2.88	0	9	10	12	8
1912	65.9	87	28	4.47	0	10	12	7	11
1913	64.4	96	27	3.87	0	9	13	8	9
1914	64.0	99	24	**0.37**	0	3	21	6	3
1915	68.5	97	30	2.08	0	5	17	9	4
1916	65.2	98	31	2.84	0	6	20	7	3
1917	**61.5**	87	27	2.74	0	6	16	7	7
1918	62.2	90	29	3.84	0	9	14	8	8
1919	65.8	96	32	3.26	0	8	16	6	8
1920	66.8	90	30	3.87	0	7	17	8	5
1921	70.2	99	36	2.35	0	8	15	8	7
1922	66.7	95	27	2.26	0	4	19	5	6
1923	67.0	90	28	3.78	0	7	14	8	8
1924	62.2	99	29	5.42	0	10	13	8	9
1925	67.8	96	25	2.92	0	7	11	11	8
1926	64.5	93	32	4.18	0	10	14	6	10
1927	65.6	97	29	2.66	0	5	19	6	5
1928	62.6	90	29	4.52	0	10	12	8	10
1929	67.0	100	28	4.74	0	8	14	7	9
1930	69.4	95	32	2.14	0	8	16	9	5
1931	**70.5**	100	34	1.98	0	6	19	6	5
1932	66.4	100	27	2.29	0	7	16	8	6
1933	68.0	93	38	6.07	0	10	12	9	9
1934	67.3	91	35	9.00	0	13	10	7	13
1935	63.2	89	27	6.12	0	8	15	7	8
1936	66.9	94	28	4.30	0	8	12	8	10
1937	63.4	98	29	2.63	0	6	19	5	6
1938	63.6	95	30	**9.67**	0	13	12	7	11
1939	66.5	98	31	1.49	0	8	15	9	6
1940	63.5	93	25	4.41	0	5	17	6	7
1941	67.5	98	26	0.28	0	2	21	6	3
1942	66.1	96	25	4.55	0	8	16	5	9
Period	65.8	109	23	3.79	0	8	15	8	7

Climatological Data for September, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	69.4	+2.6	86	3	43	29	3.62	+0.97	1.44	18	0	11	13	5	12	s.	U. S. Weather Bureau.
Barnegat City††	Ocean	36	§22	66.5	......	91	3	38	29	3.58	......	1.10	27–28	0	9	8	11	11	sw.	U. S. Coast Guard.
Belleplain	Cape May	49	48	......	......	......	......	29	29	3.17	−0.21	1.60	19	0	8	17	5	8	ne.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	......	......	......	......	......	......	5.93	......	2.09	17	0	12	17	11	2	nw.	Fred Fine.
Belvidere	Warren	289	51	66.1	+1.0	93	3†	33	29	7.01	+3.27	2.24	18	0	8	16	5	9	......	Miss C. S. Hixson.
Berlin	Camden	70	....	......	......	......	......	......	......	3.13	......	1.38	27	0	4	21	4	5	......	Samuel H. McCulley.
Boonton	Morris	280	§52	63.6	+0.1	89	17	32	29†	6.88	+3.03	2.20	27	0	10	18	0	12	ne.	John Kline.
Bridgeton	Cumberland	30	59	69.4	+1.1	94	17	36	30	4.06	+0.75	1.88	18	0	7	23	2	5	se.	Bennett K. Matlack
Brooklawn	Camden	30	....	......	......	......	......	......	......	2.19	......	0.89	10	0	4	....	....	....	......	C. D. Scott.
Burlington	Burlington	12	§56	68.8	+1.1	96	3	36	30	3.02	−0.54	1.73	27	0	7	17	6	7	sw.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	62.3	−1.5	88	17	30	29	6.34	+1.49	2.20	27	0	9	14	7	9	nw.	N. J. Water Policy Comm.
Cape May††	Cape May	17	54	70.4	+1.4	88	10	43	28	2.47	−0.53	1.15	18, 27	0	4	10	10	10	s.	Naval Air Station.
Charlotteburg‡‡	Passaic	760	50	62.5	+0.2	90	15	27	29	8.34	+4.19	3.10	27	0	8	16	4	10	w.	Newark Water Dept.
Chatham	Morris	185	38	......	......	......	......	......	......	6.95	+2.73	2.26	27	0	11	17	5	8	......	Paul Molitor, Sr.
Chatsworth	Burlington	190	1	......	......	93	17	33	29†	3.31	......	1.06	18	0	6	13	10	7	sw.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	69.6	+2.6	95	15	34	30	2.69	−0.79	1.00	28	0	6	13	3	14	w.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	......	......	......	......	......	......	5.33	+1.31	2.00	27	0	6	....	....	....	......	L. S. Depue.
Dover	Morris	600	58	61.4^{e}	−1.1	86	3†	31	29†	6.75	+1.67	3.42	27	0	10	9	10	11	......	William C. Harris
Egg Harbor City	Atlantic	63	20	......	......	......	......	......	......	3.18	−1.10	1.40	18	0	8	21	4	5	ne.	Chas. E. Hall.
Elizabeth	Union	34	63	......	......	93	3†	32	30	5.68	+2.07	1.33	26–27	0	11	17	5	8	ne.	Union County Park Comm.
Flemington	Hunterdon	140	§56	67.2	+0.5	94	16	34	29†	5.27	+1.63	1.51	18	0	8	18	5	7	sw.	Hiram E. Deats
Freehold	Monmouth	194	§38	67.2	+1.1	90	3†	33	29	4.44	+0.06	2.83	18–19	0	8	17	7	6	s.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	......	......	94	17	32	30	2.58	−1.63	1.45	18	0	7	19	3	8	sw.	J. G. Wilson.
Hightstown	Mercer	110	49	66.0	−0.5	92	15†	32	30	3.32	+0.11	1.15	27	0	9	16	6	8	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	66.8	+0.4	93	17	30	29†	3.39	−0.10	1.02	10	0	8	15	8	7	w.	Edward Entwistle.
Jersey City	Hudson	81	44	68.3	+0.7	93	3	39	29†	4.54	+1.14	1.27	27	0	9	13	6	11	n.	Jersey Journal.
Lakewood	Ocean	54	38	66.4	+1.2	89	15	33	30	6.49	+3.45	3.60	18	0	10	14	4	12	w.	R. W. Holman.
Lambertville	Hunterdon	75	55	66.8	+1.0	90	3†	31	29	2.45	−0.91	1.03	28	0	7	17	8	5	n.	George Bailey.
Layton(near)‡‡	Sussex	480	41	62.2	−0.3	90	2†	30	30	5.99	+2.13	3.43	27	0	8	13	5	12	sw.	A. M. Depue.
Little Falls	Passaic	157	39	65.6	+0.3	91	3†	33	29	6.25	+2.57	2.02	27	0	11	18	3	9	w.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	66.0	+0.1	90	3	35	30	5.55	+2.36	3.43	18	0	8	16	2	12	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	62.1	......	90	3†	29	29	9.31	+4.74	2.33	19	0	10	16	7	7	sw.	Arthur Barkman.
Marlton	Burlington	90	....	......	......	......	......	......	......	2.89	......	1.18	27	0	4	18	5	7	nw.	David Griscom.
Millville	Cumberland	60	1	......	......	......	......	......	......	2.72	......	1.53	18	0	8	14	8	8	......	Paul Ritchie.
Moorestown	Burlington	62	79	66.3	+0.1	90	15†	33	30	1.78	−1.75	0.82	28	0	6	11	8	11	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	......	......	......	......	......	......	7.23	......	2.04	27	0	9	16	7	7	......	James C. Long.
Newark	Essex	10	43	66.6	+0.2	93	3	38	30	5.55	+1.86	1.13	26–27	0	8	14	4	12	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	66.0	+0.2	90	3	33	30	5.54	+2.18	1.31	19	0	8	15	4	11	ne.	N. J. Experiment Station.
New Milford‡‡	Bergen	12	24	......	......	......	......	......	......	4.13	−0.22	1.17	27	......	9	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	59	63.4	−0.4	91	3	29	30	6.08	+2.32	2.80	27	0	11	12	6	12	sw.	Irving J. Kern.
Orange	Essex	63	8	......	......	......	......	......	......	5.61	......	1.31	26	0	9	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	71	65.4	−0.9	92	3†	32	30	5.55	+1.94	1.60	27	0	8	15	7	8	ne.	J. W. Cook.
Pemberton	Burlington	55	13	68.6	+0.9	92	17	34	30	0.98	−3.20	0.25	9	0	6	15	4	11	sw.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	64.4	−0.8	90	3†	33	29†	4.83	+1.34	1.69	27	0	11	17	4	9	......	Town Engineer.
Plainfield	Union	120	54	66.0	+0.4	91	3†	33	30	8.15	+4.12	3.02	18	0	10	11	9	10	nw.	S. K. Pearson.
Plainsboro	Middlesex	110	....	......	......	......	......	......	......	3.07	......	0.94	28	......	7	....	....	....	......	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	67.6	+1.7	90	3	34	30	3.95	+0.98	0.97	18	0	11	16	7	7	e.	N. J. Water Policy Comm.
Rahway	Union	20	2	......	......	......	......	......	......	4.88	......	1.32	27	0	7	8	14	8	n.	Louis Fontenelli.
Ridgefield	Bergen	80	25	65.6	+0.5	92	3	33	29†	3.98	+0.84	0.91	27	0	9	16	4	10	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	63.8	−0.5	93	3	25	30	4.47	+0.47	0.98	27	......	9	18	7	5	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	67.5	0.0	91	3	45	29†	2.76	−0.67	0.82	18–19	0	8	15	4	11	s.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	65.2	−0.7	90	15†	32	29	8.02	+4.30	1.90	27	0	10	19	5	6	w.	Richard H. Rogers.
Sussex	Sussex	450	47	63.2	−1.1	90	3†	29	30	5.56	+1.99	1.49	17	0	10	16	4	10	sw.	Marshall Hunt.
Toms River	Ocean	33	21	......	......	......	......	......	......	3.85	−0.43	1.50	18	0	7	....	....	....	......	Robt. F. Snyder.
Trenton	Mercer	56	70	67.4	+0.5	90	17	38	29	2.09	−1.31	0.90	26–27	0	9	12	3	15	n.	U. S. Weather Bureau.
Trenton No. 2	Mercer	105	12	66.6	......	90	3†	35	30	2.69	......	1.26	27	0	7	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	49	69.0	+1.3	90	3†	36	30	2.64	−0.62	1.02	28	0	9	20	1	9	ne.	John H. Brown.
Vineland	Cumberland	110	62	......	......	......	......	......	......	2.24	−1.21	2.10	18	0	4	20	5	5	sw.	J. Davis Gauntt.
Westfield	Union	145	2	......	......	......	......	......	......	6.56	......	1.60	27	0	8	19	1	10	n.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	......	......	......	......	......	......	4.16	−0.01	1.31	27	......	8	....	....	....	......	Hackensack Water Co.
Woodstown	Salem	16	8	......	......	......	......	......	......	2.50	......	......	......	0	4	19	8	3	s.	Geo. S. Keen
New York, N. Y.	......	10	72	67.5	+0.7	89	3	44	29	3.82	+0.43	1.19	26–27	0	8	14	6	10	n.	U. S. Weather Bureau.
Philadelphia, Pa.	......	26	72	69.5	+1.5	93	17	43	29	1.68	−1.46	0.82	26–27	0	6	11	11	8	n.	U. S. Weather Bureau.
For the State	......	......	....	66.1	+0.3	96	3	25	30	4.55	+0.76	3.60	18	0	8	16	5	9	sw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b} ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville: Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland: Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia 1-23-43-925

Daily Precipitation for September, 1942

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast				.02			.75	.05	T.	.16		.31					.01	1.44	.01	T.						.02	.81	.04				3.62
Barnegat City[4]	Coast							.38	.50	.07		.16	T.						.32		.87						.18	1.07	.03				3.58
Belleplain	Tuckahoe								.28				.03						.15	1.60	.22						.14	.15	.60				3.17
Belmar	Coast									.20	.05	.01	.05	.05				2.09	1.86	.01	.01						.66	.92	.02				5.93
Belvidere	Delaware								.03	.87							.37		2.24	.28	1.13			.02			T.	2.07					7.01
Berlin	Mullica									.32	.83								.60									1.38					3.13
Boonton[3]	Passaic									.67	.44		.03					.63	.20	.86	.81	T.			.02			2.20	1.02				6.88
Bridgeton	Delaware							T.		.05			T.						1.88	1.13	.15						.04	.60	.21				4.06
Brooklawn	...do									.26	.89		T.						T.								T.	.26	.78				2.19
Burlington	Delaware									.32		.05						.74	.10	.04	.04							1.73					3.02
Canoe Brook[3]	Passaic									.35	.41							.60	.37	.68	.67				.08			2.20	.98				6.34
Cape May[2]‡	Coast					T.		.15	T.		T.		T.					T.	1.15		T.						T.	1.15	.02				2.47
Charlotteburg	Passaic									1.10	.05							1.28	.35	.40	.91							3.10	1.15				8.34
Chatham[3]	...do									.35	.41		.01					.52	.37	1.06	.79	.02			.05			2.26	1.11				6.95
Chatsworth	Coast									.42		.22							1.06		.54							.19	.88				3.31
Clayton	Delaware									.08									.45	.62	.12						.42		1.00				2.69
Culvers Lake	...do								.25	1.05									.46	T.	.69							2.00	.88				5.33
Dover	Passaic								*	1.10	T.	.02					.25		*	1.01	.92			.03			*	3.42					6.75
Egg Harbor City[2]	Mullica							.05	.17				.09						1.40		.40						.22	.80	.05				3.18
Elizabeth	Coast									.90	.02	.01	.01					.43	1.01	.52	.50				T.	T.	.12	1.21	.95				5.68
Flemington	Raritan									.84	.01			.10					1.51	.82	.08			T.			T.	1.06	.85				5.27
Freehold	...do								T.	.44	.02							.10	2.21	.62	.02						.72	.31					4.44
Hammonton	Mullica								.09										1.45	.09	.16						.04	.15	.60				2.58
Hightstown	Raritan							T.		.28	.02		T.	.02				.45	.90	.28	.02						.20	1.15					3.32
Indian Mills	Mullica							T.	.08	.31	1.02	T.	.01						.92		T.						.04	.89	.12				3.39
Jersey City	Coast				T.				T	.36	T.	T.	.02	T.				.65	.07	.59	.66	T.		T.	T.	T.	.76	1.27	.16	T.			4.54
Lakewood	Metedeconk								T.	.48	.04	.05	.18						3.60	.30	.15						.10	1.55	.04				6.49
Lambertville	Delaware									.57	.01								T.	.01	.15						.01	.67	1.03				2.45
Layton(near)	...do								.70	1.07			.06						.57	.03	.10							3.43	.03	T.			5.99
Little Falls[3]	Passaic									.76	.28		.02					.86	.08	.48	.64	.11			.02			2.02	.98				6.25
Long Branch[2]‡	Coast								T.	.37	.03	.09		.04					3.43	.04	T.						.51	1.04					5.55
Long Valley[3]	Raritan									.54	.25		.03					1.15	.70	2.33	.52				.04			1.75	2.00				9.31
Marlton	Delaware							T		.36	.70	T.							.65								T.	1.18	T.				2.89
Millville[2]‡	Maurice							.06					.03					.07	1.53	.17	.28						.14	.44					2.72
Moorestown[3]	Delaware									.09	.26	.18								.20	T.							.23	.82				1.78
Morris Plains	Passaic								T.	1.17	.04		T.					.45	1.08	.52	.72				.09			2.04	1.12				7.23
Newark[1]	Coast								.01	.81	T.	T.					1.03		.81	.06	.80			T.			1.06	.97					5.55
New Brunswick	Raritan								T.	.81	T.			.06				.60	.91	1.31	.09				T.		T.	.88	.88				5.54
New Milford[2]‡	Hackensack								.05	.68			.02				.79	.02	.05		.58						.77	1.17					4.13
Newton	Delaware								.09	1.14	.02	.01	.02				.58		.28	.01	1.08						.05	2.80	T.				6.08
Orange[2]‡	Passaic								.23	.93							.74		.55	.09	.63			.01			1.31	1.12					5.61
Paterson[3]	Passaic								.22	1.00	T	T.		T.			.42		.32	T.	.78			.01			1.20	1.60					5.55
Pemberton	Delaware							T.		.25	T.	.24	T.			T.			.06	.18	.01							.24					0.98
Phillipsburg	...do				T.				.07	.74	.04			.05				.83	.70	.15	.20			.06			.30	1.69					4.83
Plainfield	Raritan								T.	.66	.01	T.				.01		1.22	3.02	.80	.30			.04			.38	1.71					8.15
Plainsboro	Raritan									.49								.50	.38	.11	.08							.57	.94				3.07
Pleasantville[3]	Coast					.03			.92	.04	.01		.46						.97	.43	.03	.03						.16	.87				3.95
Rahway[3]‡	Rahway									.75							.65		.20	.90	.20	T.						1.32	.86				4.88
Ridgefield[2]	Hackensack								T.	.52				.05				.79	.23	.01	.51						.06	.91	.90				3.98
Runyon	Coast									.73	.03			.07				.39	.62	.62	.12							.98	.91				4.47
Sandy Hook[4]‡	Coast							T.	T	.41	T.	T.		.02			.20		.72	.20	.02				T.		.44	.75	T.				2.76
Somerville(near)	Raritan									.52	.02							1.00	1.75	1.36	.60				.12		.05	1.90	.70				8.02
Sussex	Hudson								.15	.94	.02	T.	.03					1.49	.08	T.	.55			T.	.01			1.40	.89				5.56
Toms River	Coast								.04	.40	.17								1.50	.14							.55	1.05	T.				3.85
Trenton[1]‡	Delaware							.02	T.	.23	T.		T.	T.		T.	.20	.01	.63	.01	T.			.01	T.		.16	.82					2.09
Trenton No. 2[2]	Delaware							.02	T	.24	T.	T.	T.	T.		T.	.13		.82		T.			.01			.21	1.26					2.69
Tuckerton	Coast							.02	.98	.03			.12					.04	.06	.26	.11								1.02				2.64
Vineland[3]	Maurice																		2.10		.05							.04	.05				2.24
Westfield[3]‡	Rahway									.60	.22		T.					1.03	1.12	.63	.44				T.			1.60	.92				6.56
Woodcliff Lake[2]‡	Hackensack								.04	.76							.26	.02	.03		.88						.86	1.31					4.16
Woodstown	Delaware																		*	1.40							*	1.10					2.50
New York, N. Y[1]‡	Coast				T.				T.	.54	T.	.01	T.	T.			.24		.56	46	.48			T.	T.	T.	.61	.92	T.				3.82
Phila., Pa[1]‡	Delaware							T.		.39	.35		T.					T.	.01	.01	T.						.18	.74					1.68

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station; precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	.128	.160	.112	.080	.160	.128	.064	.030	.058	080	.048	.032	.160	.128	.096	.104	.082	.040	*	.158	.096	.128	.048	.128	.096	**	.116	.128	.096	.064	....	2.844
	Wind movement	1	4	2	1	3	3	2	2	2	2	1	1	7	3	2	2	0	3	8	4	3	4	1	5	3	37	5	14	3	2	....	130
Pleasantville[3]	Evaporation	.128	.192	.224	.158	.224	.160	.088	.040	.138	.096	.140	*	.288	.096	.128	.256	.074	.078	.126	.286	*	.320	.016	.176	.128	.064	.070	192	.128	.096	....	4.110
	Wind movement	20	29	20	29	11	30	30	12	22	20	31	34	8	13	28	15	14	19	33	18	77	18	23	56	11	84	91	71	14	27	....	908
Runyon	Evaporation	.180	.180	.180	.120	.160	.165	.090	.090	.030	.090	.090	.120	.130	.150	.150	.150	.090	.040	.020	.060	.150	.150	.120	.150	.150	.060	.080	.160	.090	.120	....	3.515
	Wind movement	15	17	13	5	9	12	7	10	47	16	9	16	6	7	20	16	7	6	16	17	14	25	18	30	27	7	12	30	26	28	....	478

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for September, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	77	81	86	82	81	70	75	77	77	78	80	71	83	77	82	83	84	81	81	81	66	74	70	76	68	70	74	60	57	62	....	75.5
	Minimum	60	67	71	71	66	64	67	70	69	69	67	66	68	62	72	73	72	71	74	59	56	55	57	63	55	64	56	48	43	44	....	63.3
Barnegat City‡	Maximum	75	80	91	75	81	70	72	73	73	79	80	72	84	76	81	82	86	80	78	75	64	72	68	75	67	70	75	63	56	61	....	74.5
	Minimum	48	60	66	68	64	62	63	62	61	65	62	62	56	69	64	66	67	67	70	58	56	52	53	58	52	61	51	42	58	42	....	58.5
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	45	53	66	66	62	52	56	66	66	63	63	61	57	46	59	65	60	68	67	67	50	45	41	58	45	45	68	42	29	30	....	55.1
Belvidere	Maximum	88	90	93	81	81	78	83	73	69	84	75	78	84	88	93	92	90	80	78	73	73	76	73	78	72	66	77	60	62	65	....	78.4
	Minimum	54	53	65	62	51	52	61	64	62	61	59	61	50	46	58	65	65	69	68	57	46	43	46	53	38	43	54	42	33	34	....	53.8
Boonton§§	Maximum	83	85	88	73	79	73	76	74	63	79	72	73	78	79	88	87	89	73	84	74	67	71	71	76	67	71	75	57	59	64	....	74.9
	Minimum	47	49	53	61	55	51	49	53	61	59	59	60	58	50	53	60	62	65	67	67	50	45	46	49	41	42	48	45	32	32	...	52.3
Bridgeton	Maximum	81	88	90	88	85	80	73	80	82	88	81	74	85	85	91	92	94	86	86	83	68	73	79	84	75	75	79	60	63	68	....	80.5
	Minimum	52	60	68	68	64	58	57	67	68	66	65	64	61	56	63	64	65	70	70	65	51	47	49	57	48	48	60	45	37	36	....	58.3
Burlington	Maximum	86	95	96	87	78	76	73	79	74	85	72	73	85	84	94	93	92	82	85	80	70	76	78	82	78	70	75	70	69	70	....	80.2
	Minimum	51	65	65	59	53	52	58	67	59	66	57	63	55	60	63	68	66	72	71	68	53	49	51	61	49	49	55	44	37	36	....	57.4
Canoe Brook§§	Maximum	82	84	85	71	85	77	76	73	62	78	72	73	78	80	87	86	88	71	73	73	69	73	69	75	66	71	72	56	58	64	....	74.2
	Minimum	44	59	58	54	47	47	46	53	60	59	56	59	55	44	54	60	59	64	66	66	51	42	42	49	37	41	46	40	30	33	....	50.4
Cape May.*	Maximum	77	79	86	87	77	74	73	79	77	85	78	72	81	81	80	84	81	80	79	82	65	73	74	77	70	73	75	59	60	64	....	76.2
	Minimum	68	71	72	68	64	68	70	79	70	69	65	67	61	71	70	71	75	70	75	55	57	61	70	56	63	71	53	43	45	52	....	64.7
Charlotteburg	Maximum	80	87	88	87	88	70	74	74	69	81	81	69	77	82	90	86	87	86	72	73	65	72	71	76	72	67	72	65	65	63	....	76.3
	Minimum	41	43	58	55	45	46	41	58	59	57	59	57	53	40	50	58	59	67	63	62	45	37	40	44	34	34	59	40	27	29	....	48.7
Chatsworth	Maximum	84	88	92	82	82	75	....	....	70	87	76	85	83	83	92	91	93	83	81	77	72	73	78	82	72	70	76	76	60	65	....	79.6[b]
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	65	62	70	70	70	53	48	43	68	50	45	68	44	33	38	....	......
Clayton	Maximum	81	87	90	87	80	77	74	79	77	86	81	74	83	84	95	89	93	85	74	83	67	74	76	83	77	77	79	76	60	66	....	79.8
	Minimum	49	70	66	65	62	55	61	65	67	64	63	6[illegible]	63	55	59	65	63	70	70	66	50	44	65	65	46	65	74	44	35	34	....	59.4
Dover	Maximum	79	83	86	....	....	69	73	....	....	78	72	64	76	75	86	84	83	71	70	73	64	68	67	74	61	63	73	55	55	60	....	71.6[d]
	Minimum	47	51	6[illegible]	....	....	....	48	....	....	59	59	58	57	49	55	64	63	67	65	56	48	42	47	50	38	40	52	39	31	31	....	51.2[e]
Elizabeth	Maximum	86	91	93	....	84	79	85	78	72	85	78	76	87	90	93	93	82	78	73	72	78	77	76	81	78	68	75	75	68	68	....	80.0[a]
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	52	58	64	63	69	66	64	51	46	47	52	43	45	61	42	33	32	....	......
Flemington	Maximum	87	92	93	81	89	80	74	73	74	86	81	80	83	80	93	94	89	88	75	75	68	72	72	80	75	69	76	71	60	64	...	78.8
	Minimum	49	55	66	64	54	53	52	63	63	61	62	62	62	53	58	66	65	71	67	64	51	46	48	50	42	44	63	44	34	34	....	55.5
Freehold	Maximum	82	87	90	90	80	72	75	76	72	84	82	74	82	82	90	89	89	83	77	78	69	74	74	81	77	72	77	75	60	64	....	78.6
	Minimum	49	58	68	64	56	55	58	51	63	61	61	60	68	52	60	60	63	70	67	67	51	46	47	53	47	44	65	42	33	34	....	55.8
Hammonton	Maximum	84	82	85	78	76	74	71	78	78	87	84	81	85	81	92	92	94	86	85	83	71	76	72	84	74	72	79	77	67	69	...	79.9
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	61	53	73	70	62	72	69	66	51	45	45	52	46	44	62	42	34	32	...	......
Hightstown	Maximum	85	86	91	83	81	72	78	77	68	84	76	76	82	83	92	90	92	77	79	78	68	75	73	81	73	68	78	59	60	66	....	77.7
	Minimum	46	58	66	62	54	53	49	63	63	61	60	60	60	50	59	65	63	69	67	62	51	46	46	52	44	43	54	42	33	32	....	54.4
Indian Mills(near)	Maximum	82	86	91	85	81	77	72	77	72	85	76	75	83	83	90	90	93	84	82	81	69	73	76	82	71	70	77	59	62	66	....	78.3
	Minimum	44	57	67	65	59	53	56	65	67	63	61	62	60	49	60	67	63	70	70	61	52	42	43	53	45	43	57	43	30	80	....	55.2
Jersey City	Maximum	80	89	93	84	82	75	75	78	75	81	77	75	83	82	90	85	88	78	78	76	69	75	74	81	74	67	74	59	60	62	....	77.3
	Minimum	56	63	66	65	59	60	61	67	63	62	67	61	65	58	65	69	67	72	65	65	52	52	55	64	52	48	56	46	39	39	....	59.3
Lakewood	Maximum	80	85	88	81	80	71	74	73	71	83	79	71	80	80	89	86	87	79	77	80	68	72	70	81	73	69	75	59	58	63	....	76.1
	Minimum	50	61	68	66	59	52	50	66	65	63	63	62	61	53	60	68	64	70	68	67	54	49	47	50	50	45	55	44	35	33	....	56.6
Lambertville	Maximum	81	87	90	86	82	80	77	77	73	83	78	75	82	82	90	90	90	85	82	80	70	73	75	80	76	69	78	75	59	64	....	79 0
	Minimum	48	55	63	63	58	51	51	64	65	62	58	61	60	50	58	65	64	70	68	65	51	44	42	51	40	42	64	43	31	33	....	54.7
Layton(near)	Maximum	85	90	88	74	79	75	75	64	65	80	72	71	79	80	90	88	86	75	72	72	70	70	69	75	68	65	75	55	59	64	....	74.3
	Minimum	51	51	56	61	50	42	44	62	60	58	53	59	56	47	50	64	62	68	67	55	41	40	45	47	32	38	52	35	31	30	....	50 2
Little Falls§§	Maximum	85	90	91	75	82	76	78	74	65	82	70	77	82	81	91	90	90	76	82	74	68	73	75	80	70	74	76	60	61	69	...	77.2
	Minimum	47	52	63	62	53	52	50	62	61	60	60	60	59	50	57	65	63	69	67	67	51	45	47	50	42	43	54	42	33	34	....	54.0
Long Branch*	Maximum	76	87	90	75	78	70	74	72	68	78	75	72	82	80	89	84	84	75	77	77	67	73	69	82	70	68	74	60	57	62	....	74.8
	Minimum	53	61	68	66	59	54	53	66	63	63	62	62	58	55	64	68	66	67	68	57	55	52	49	56	49	46	54	46	37	35	....	57.1
Long Valley§§	Maximum	84	87	90	75	80	75	78	75	64	83	78	77	80	82	90	87	88	73	75	74	72	72	71	78	67	70	74	66	65	62	....	76.4
	Minimum	44	43	53	58	50	49	45	46	61	58	55	57	54	45	47	60	59	60	64	44	50	38	42	45	33	36	44	36	29	30	....	47 8
Moorestown*	Maximum	80	84	88	80	80	75	70	75	69	83	73	73	81	81	90	88	90	83	83	83	66	74	73	81	67	72	77	58	57	63	....	76 6
	Minimum	48	61	68	64	53	55	54	65	67	62	62	62	62	53	60	66	65	71	70	58	51	44	46	51	50	45	56	42	35	33	....	56 0
Newark*	Maximum	81	88	93	76	81	73	74	75	69	81	74	71	81	81	91	89	86	75	75	75	66	73	73	80	69	70	77	59	58	63	....	75.9
	Minimum	52	58	66	66	60	57	56	67	61	61	64	61	63	57	62	66	66	69	68	56	53	51	52	56	49	50	52	46	40	38	....	57.4
New Brunswick	Maximum	83	36	90	84	80	77	74	73	69	80	76	74	80	81	89	88	88	79	76	76	66	72	70	79	73	66	78	68	57	64	....	76.5
	Minimum	47	56	64	63	59	55	51	66	62	60	62	61	61	52	59	65	64	69	66	63	51	47	48	51	45	46	63	43	34	33	....	55.5
Newton	Maximum	85	89	91	81	80	78	78	68	65	81	73	72	80	80	90	89	89	78	71	72	67	74	71	72	69	64	72	56	59	65	....	76.0
	Minimum	49	51	60	56	48	48	48	59	58	55	55	56	57	47	68	59	65	65	64	52	40	39	45	50	36	40	49	36	38	29	....	50.7
Paterson§§	Maximum	85	90	92	75	81	75	78	75	65	82	76	76	82	81	92	91	91	75	77	75	72	74	74	81	70	71	76	59	62	67	....	77.3
	Minimum	49	53	57	64	55	53	51	53	60	59	59	60	60	52	54	62	63	65	66	67	50	46	48	50	43	45	50	43	34	32	....	53.4
Pemberton	Maximum	85	86	90	86	85	77	72	75	74	85	83	77	84	82	91	90	92	89	82	82	73	75	75	82	79	69	78	76	61	66	....	80.0
	Minimum	43	58	67	65	60	55	55	66	66	63	61	62	62	54	61	68	65	71	70	71	53	48	46	55	47	46	68	44	35	34	....	57.3
Phillipsburg	Maximum	84	89	90	73	80	76	76	77	69	82	71	75	81	80	90	87	87	77	74	74	70	73	67	77	68	65	75	59	60	64	....	75.7
	Minimum	49	53	62	60	52	51	52	63	61	60	59	60	58	49	57	64	63	70	67	53	47	46	47	49	40	43	50	43	33	33	...	53.1
Plainfield	Maximum	84	89	91	76	81	75	80	76	67	82	75	73	82	82	91	91	86	75	73	74	69	74	72	81	70	67	77	61	59	65	....	76.6
	Minimum	48	56	66	64	54	53	52	66	62	60	61	60	60	52	59	65	65	69	67	55	52	49	51	53	46	46	56	44	34	33	....	55.3
Pleasantville§§	Maximum	76	85	90	86	80	73	74	77	78	82	80	73	83	79	84	85	87	82	81	81	65	74	72	77	70	74	76	60	59	63	...	76.9
	Minimum	49	58	68	67	65	58	60	67	69	67	65	64	63	53	58	65	64	69	71	73	54	50	45	52	49	47	65	45	37	34	....	58.4
Ridgefield*	Maximum	83	90	92	76	81	74	79	75	64	82	72	74	83	82	91	89	89	72	76	74	68	75	74	80	70	69	73	59	60	56	....	76.1
	Minimum	52	57	66	63	54	53	53	65	61	61	61	61	60	53	62	68	69	69	67	55	51	45	46	52	43	46	52	38	33	33	....	55.0
Runyon	Maximum	85	87	93	84	78	79	76	77	71	79	76	78	79	82	92	91	82	76	74	76	74	75	73	79	80	74	76	75	72	66	....	78.6
	Minimum	38	48	63	60	45	44	44	43	61	62	54	46	46	42	52	51	64	68	70	65	40	36	36	39	38	86	65	60	28	25	....	49.0
Sandy Hook‡	Maximum	78	86	91	76	80	71	75	73	66	77	75	71	82	81	89	82	85	73	75	76	68	72	70	80	71	70	73	59	56	61	....	74.7
	Minimum	58	63	69	67	64	60	61	67	63	63	64	63	64	60	66	68	68	68	68	57	55	57	58	59	55	57	52	46	45	45	....	60.3
Somerville(near)	Maximum	80	85	89	78	78	72	78	73	70	80	73	75	79	80	90	90	89	75	76	74	70	70	73	79	68	75	75	57	60	64	....	75.8
	Minimum	50	58	67	62	56	52	51	62	61	60	60	59	61	56	61	66	65	67	66	56	50	45	50	51	41	44	55	41	32	37	....	54.7
Sussex	Maximum	85	89	90	80	78	75	77	68	66	81	77	74	78	79	90	89	88	81	72	72	68	73	71	76	69	66	75	56	57	64	...	75.5
	Minimum	49	51	59	59	46	45	47	62	60	58	58	59	58	45	57	64	64	69	66	57	43	39	43	49	34	39	53	39	30	29	....	51.0
Trenton*	Maximum	81	85	90	79	79	74	74	76	68	84	73	74	81	82	89	88	90	78	82	79	67	72	74	80	68	72	78	57	57	64	....	76.5
	Minimum	54	61	68	66	61	57	56	65	63	63	65	62	64	58	64	69	69	70	69	55	53	51	54	57	50	49	51	43	38	40	....	58.2
Trenton No. 2*	Maximum	82	87	90	80	79	75	75	77	69	84	75	75	82	82	90	88	89	78	82	79	70	73	75	80	68	70	77	57	59	64	....	77.0
	Minimum	50	60	68	64	58	55	52	64	63	62	63	61	63	54	63	68	66	70	68	57	51	48	50	51	45	45	52	40	36	35	....	56.1
Tuckerton	Maximum	78	84	90	84	83	80	75	78	79	84	82	75	85	82	90	86	88	80	80	80	70	74	70	79	73	70	77	69	60	66	....	78 4
	Minimum	50	58	68	68	65	58	60	68	67	68	68	63	63	57	68	67	66	70	70	68	53	59	50	55	46	48	68	43	37	36	....	59.5
New York, N. Y.*	Maximum	81	84	89	74	79	72	74	76	69	80	72	73	81	79	89	86	87	77	75	73	67	71	74	78	70	68	73	57	59	63	....	75.0
	Minimum	60	62	69	67	61	61	61	67	62	62	63	61	65	60	67	69	70	68	66	55	52	54	58	60	53	58	53	46	44	46	....	60.0
Philadelphia, Pa.*	Maximum	81	85	90	83	80	77	72	77	70	83	76	73	85	82	90	90	93	84	83	80	70	73	76	80	70	71	79	59	59	65	....	77.9
	Minimum	60	66	71	69	67	62	61	67	63	63	65	63	66	62	67	70	72	72	71	56	54	53	58	59	54	54	54	47	43	45	....	61.1

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a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

Vol. XLVII. October, 1942. No. 10.

GENERAL SUMMARY.

The first week was cool with a few stations recording killing frost on the 3d and 4th. This was followed by an unusually warm period from the 7th to 11th with temperatures in the eighties common on the 9th. Near normal conditions then prevailed until the latter part of the month with unseasonably cold weather from the 26th to 29th. During this period there were killing frosts in nearly all localities. Temperatures in the lower twenties were recorded at a number of stations.

This was the first month since June with less than normal precipitation. Rainfall was heaviest in the southern interior where it had been least during the preceding few months. Several of the southern stations reported monthly totals much above normal. A few stations in the extreme north also received more than the normal amount. The first two weeks were comparatively dry with only moderate rains on the 5-6th. There was a rainy period from the 14-18th and another from the 21-26th; during these two periods, most of the rain of the month fell. Generally speaking, the first half of the month was favorable for harvesting of crops and other farm work while the latter half was unfavorable because of the wet weather. At the close of the month, large quantities of root crops still remained in the ground and corn husking had only begun. Sunshine was slightly below normal. Strong winds occurred in coastal areas on the 12, 13, 16 and 26th.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 40 stations, was 56.1°, which was 1.5° above normal. The highest temperature was 87° at Burlington on the 8th, and the lowest, 21°, at Belleplain on the 28th. The highest monthly mean temperature was 61.2° at Cape May, and the lowest, 50.4° at Layton.

The temperature departure from the normal for the year, 1942, to date, for the State is +1.0°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 58 stations, was 3.43 inches, which was 0.18 inches below normal. The greatest monthly precipitation was 6.59 inches at Atlantic City, and the least, 2.25 inches at Jersey City and Sandy Hook. The greatest amount of precipitation in any 24 consecutive hours was 3.02 inches at Atlantic City on the 16th. The average for the Highlands was 3.60 inches, for the Red Sandstone Plain 2.91 inches, for the Southern Interior 3.70 inches, and for the Sea Coast, 3.48 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +8.40 inches; Red Sandstone Plain, +5.05 inches; Southern Interior, −1.26 inches; Sea Coast, +0.96 inches.

DATES OF MISCELLANEOUS PHENOMENA.

Dense Fog: 5, 8, 9, 10, 14, 15, 16, 17, 21, 23, 26, 30, 31.
Thunderstorms: 16, 22.
Killinh Frost: 3, 4, 7, 20, 21, 27, 28, 29, 30.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.07	30.50	29	29.50	26	16.1	42	ne.	12	84	72	78	63
Long Branch	30.06	30.60	13	29.49	26	10.4	38	nw.	26	82	59	68	64
Trenton	30.06	30.53	13	29.52	26	8.0	24	nw.	26	84	60	75	57

COMPARATIVE DATA FOR OCTOBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	54.2	82	29	4.20	0	......	......	......	......
1886	55.6	88	21	3.22	0	......	......	......	......
1887	52.3	89	21	2.61	0	7	......	......	......
1888	49.2	73	25	4.73	0	12	......	......	......
1889	50.8	82	23	3.80	0	11	......	......	......
1890	53.9	81	24	6.33	0	13	9	8	14
1891	52.8	92	18	3.44	0	8	11	11	9
1892	53.6	85	21	0.52	0	4	14	12	5
1893	55.2	85	17	4.22	0	7	15	7	9
1894	55.3	87	27	5.67	0	10	12	7	12
1895	49.9	83	18	3.60	0	5	19	7	5
1896	51.5	82	21	2.24	0	8	11	8	12
1897	55.8	95	22	2.43	0	7	14	8	9
1898	56.5	88	24	5.76	0	10	13	9	9
1899	56.6	86	18	2.72	0	6	13	10	8
1900	59.9	92	19	3.70	0	10	10	8	13
1901	54.4	82	21	1.93	0	4	17	8	6
1902	56.0	80	20	6.39	0	8	15	7	9
1903	55.9	86	24	8.92	0	8	13	9	9
1904	51.9	89	15	3.78	0	5	20	6	5
1905	55.5	90	17	2.71	0	7	18	7	6
1906	55.0	80	11	4.46	0	11	8	9	14
1907	50.6	80	18	4.46	0	7	22	5	4
1908	57.3	92	19	2.71	0	8	15	5	11
1909	51.2	84	18	1.18	0	8	17	7	7
1910	57.2	90	18	3.15	0	7	15	8	8
1911	53.9	80	18	5.49	0	12	10	9	12
1912	57.0	88	25	3.30	0	5	17	8	6
1913	57.8	83	25	7.79	0	11	12	9	10
1914	58.1	88	19	1.99	0	5	13	9	9
1915	56.2	84	23	3.03	0	9	17	7	7
1916	55.1	92	23	1.37	0	4	18	8	5
1917	50.7	84	22	6.99	0	10	15	8	8
1918	57.0	84	22	1.25	0	8	16	9	6
1919	59.0	92	25	3.43	0	13	9	8	14
1920	59.0	87	28	1.80	0	5	20	5	6
1921	54.1	82	16	0.97	0	5	18	7	6
1922	56.6	92	18	1.48	0	7	19	6	6
1923	53.9	81	21	4.25	0	8	16	8	7
1924	54.4	84	16	0.31	0	1	23	6	2
1925	49.1	84	12	4.59	0	11	9	9	13
1926	53.1	90	17	4.08	0	11	13	8	10
1927	56.8	94	23	7.82	0	10	18	5	8
1928	56.1	90	16	1.19	0	6	17	9	5
1929	52.3	80	17	4.61	0	8	15	8	8
1930	52.6	89	12	1.95	0	6	17	7	7
1931	58.3	92	24	2.76	0	8	17	7	7
1932	56.2	89	21	5.85	0	10	13	6	12
1933	53.6	84	18	2.04	T.	6	18	7	6
1934	52.6	82	21	2.49	T.	6	17	6	8
1935	54.8	84	23	4.50	0	8	18	7	6
1936	55.6	82	9	3.40	0	8	15	6	10
1937	53.2	84	15	5.27	T.	10	12	7	12
1938	56.2	93	24	2.47	0	7	19	5	7
1939	54.9	93	19	4.24	0	9	14	6	11
1940	51.0	82	11	2.86	0.7	8	15	7	9
1941	58.9	97	17	1.90	0	8	15	7	9
1942	56.1	87	21	3.43	0	9	15	6	10
Period	54.6	97	9	3.61	0	8	15	8	8

Climatological Data for October, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	59.8	+2.9	76	9	36	28	6.59	+3.39	3.02	16	0	12	10	9	12	ne.	U. S. Weather Bureau.
Barnegat City††	Ocean	36	§22	56.7	...	74	9	32	28	3.95	...	1.29	16	0	12	...	...	...	...	U. S. Coast Guard.
Belleplain	Cape May	49	48	...	...	...	...	21	28	2.87	−0.03	0.80	26	0	11	19	4	8	ne.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	...	...	...	...	...	...	...	2.46	...	1.10	17	0	11	13	7	11	se.	Fred Fine.
Belvidere	Warren	289	51	55.6	+0.7	82	9	27	28	3.07	−0.75	1.09	26	0	12	19	3	9	...	Miss C. S. Hixson.
Berlin	Camden	70	...	...	...	...	...	...	...	3.22	...	1.09	15	0	6	17	4	10	...	Samuel H. McCulley.
Boonton	Morris	280	§52	53.6	+1.4	81	9	29	29	3.53	−0.38	1.69	27	0	8	10	4	17	ne.	John Kline.
Bridgeton	Cumberland	30	59	58.4	+1.5	81	9	28	28	4.76	+1.66	1.49	16	0	11	16	5	10	se.	Bennett K. Matlack
Brooklawn	Camden	30	...	...	...	...	...	...	...	2.73	...	0.87	16	0	8	...	...	...	...	C. D. Scott.
Burlington	Burlington	12	§56	57.6	+0.4	87	8	27	27	3.81	+0.32	0.90	15	0	9	16	5	10	w.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	53.7	+1.3	86	9	27	29	3.16	−0.28	1.26	27	0	8	16	5	10	sw.	N. J. Water Policy Comm
Cape May††	Cape May	17	54	61.2	+1.6	79	9	41	26†	3.16	−0.14	1.37	16	0	13	12	5	14	ne.	Naval Air Station.
Charlotteburg‡‡††	Passaic	760	50	52.4	+1.0	81	9	25	29†	3.72	−0.69	1.15	26	0	11	15	7	9	...	Newark Water Dept.
Chatham	Morris	185	38	...	...	...	...	...	...	3.04	−1.07	1.13	27	0	8	18	5	8	...	Paul Molitor, Sr.
Chatsworth	Burlington	90	1	56.2	...	83	9	22	28	3.50	...	0.97	16	0	8	15	7	9	e.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	60.6	+4.2	82	9	36	4†	5.46	+2.30	1.82	16	0	8	15	4	12	e.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	...	...	...	...	...	...	3.39	−0.22	1.34	19	0	11	...	...	...	...	L. S. Depue.
Dover	Morris	600	58	52.7	+1.3	78	9	29	29	4.05	−0.09	1.60	26	0	9	8	11	12	...	William C. Harris
Egg Harbor City	Atlantic	63	20	...	...	...	...	...	...	4.00	−0.08	1.70	16	0	9	19	4	8	nw.	Chas. E. Hall.
Elizabeth	Union	34	63	57.0	+1.8	85	9	28	28	2.79	−1.16	0.76	26–27	0	11	18	4	9	w.	Union County Park Comm.
Flemington	Hunterdon	140	§56	56.7	+1.1	87	9	31	28†	2.87	−0.64	0.87	26	0	12	18	4	9	sw.	Hiram E. Deats
Freehold	Monmouth	194	§38	55.9	+0.6	81	9	30	28†	2.31	−1.37	0.50	6, 26	0	9	18	6	7	se.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	58.2	+1.8	84	9	27	28	3.96	+0.11	1.02	16	0	11	21	2	8	ne.	J. G. Wilson.
Hightstown	Mercer	110	49	55.5	+0.6	82	9	29	28	3.62	−0.08	1.33	17	0	11	14	7	10	sw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	56.1	+0.8	83	9	23	28	3.41	−0.28	0.91	16	0	9	12	10	9	ne.	Edward Entwistle.
Jersey City††	Hudson	81	44	59.2	+2.8	83	9	37	27†	2.25	−1.85	0.78	17	0	7	12	8	11	s.	Jersey Journal.
Lakewood	Ocean	54	38	56.2	+1.8	81	9	27	28	3.24	−0.56	0.70	16	0	12	15	4	12	ne.	R. W. Holman.
Lambertville	Hunterdon	75	55	55.7	+1.3	82	9	28	28	2.73	−0.82	0.74	26	0	10	19	1	11	s.	George Bailey.
Layton(near)‡‡	Sussex	480	41	50.4	−0.5	75	8	24	28†	4.90	+1.15	1.66	26	0	11	12	1	18	sw.	A. M. Depue.
Little Falls	Passaic	157	39	55.8	+1.7	84	9	31	28†	3.22	−1.37	1.50	27	0	8	18	6	7	e.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	56.5	+1.3	83	9	31	28	2.44	−1.95	0.93	17	0	12	14	4	13	ne.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	52.4	...	83	9	25	28	3.72	+0.37	1.30	27	0	9	20	3	8	sw.	Arthur Barkman.
Marlton	Burlington	90	...	...	...	...	...	...	...	3.35	...	0.92	16	0	8	15	5	11	ne.	David Griscom.
Millville	Cumberland	60	1	...	...	...	...	...	...	4.75	...	1.49	16	0	10	13	8	10	...	Paul Ritchie.
Moorestown	Burlington	62	79	55.8	+0.9	81	9	30	28	3.20	−0.28	0.80	16	0	9	13	6	12	ne.	Japanese Beetle Laboratory
Morris Plains	Morris	500	...	...	...	...	...	...	...	4.19	...	1.37	26	0	9	20	3	8	...	James C. Long.
Newark	Essex	10	43	56.8	+1.2	83	9	33	28	2.43	−1.93	0.77	26	0	9	10	9	12	ne.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	56.3	+1.5	82	9	31	28	2.75	−1.07	0.67	26–27	0	9	15	6	10	ne.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	...	...	...	...	...	...	3.07	−0.02	1.21	26	0	8	...	...	...	...	Hackensack Water Co
Newton	Sussex	769	59	53.0	+0.3	80	9	27	28	3.95	+0.30	1.36	26–27	0	13	15	2	14	ne.	Irving J. Kern.
Orange	Essex	63	8	...	...	...	...	...	...	2.77	...	1.19	26	0	7	...	...	...	...	H. J. Finley.
Paterson	Passaic	95	71	55.2	+0.1	85	9	31	29	3.07	−1.04	1.43	26	0	8	17	7	7	w.	J. W. Cook.
Pemberton	Burlington	55	13	57.6	+1.9	83	9	29	28	3.45	+0.12	0.87	16	0	10	18	1	12	ne.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	53.9	+0.4	78	9	28	28	3.41	−0.19	1.25	26	0	9	19	2	10	...	Town Engineer.
Plainfield	Union	120	54	56.2	+2.2	82	9	31	28†	2.65	−1.43	0.89	26	0	7	11	10	10	sw.	S. K. Pearson.
Plainsboro	Middlesex	110	...	...	...	...	...	...	...	3.15	...	0.73	17	0	9	...	...	...	...	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	56.3	+1.5	80	9	26	28	5.20	+1.87	2.35	16	0	12	19	2	10	e.	N. J. Water Policy Comm.
Rahway	Union	20	2	...	...	...	...	...	...	2.41	...	0.60	26	0	7	11	11	9	nw.	Louis Fontenelli.
Ridgefield	Bergen	80	25	56.0	+2.2	84	9	31	28	2.78	−1.45	0.93	26	0	6	14	8	9	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	54.7	+1.9	74	9†	24	29	2.91	−0.87	0.94	17–18	0	8	19	4	8	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	58.1	+1.4	81	9	38	27	2.25	−1.58	0.66	17	0	10	11	7	13	ne.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	55.6	+1.4	82	9	31	28	3.31	−0.27	1.12	26–27	0	12	18	2	11	w.	Richard H. Rogers.
Sussex	Sussex	450	47	52.9	0.0	80	9	28	28†	3.79	+0.43	1.20	26	0	12	15	7	9	w.	Marshall Hunt.
Toms River	Ocean	33	21	...	...	...	...	...	...	2.76	−1.30	0.85	17	0	6	...	...	...	...	Robt. F. Snyder.
Trenton	Mercer	56	70	57.2	+1.6	83	9	35	28	3.51	+0.73	1.43	17	0	10	10	7	14	s.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	56.3	...	82	9	32	28	3.93	...	1.53	17	0	8	...	...	...	...	Edward H. Ristow.
Tuckerton	Ocean	23	49	58.2	+1.7	83	9	31	28	3.60	−0.02	1.20	16	0	13	20	2	9	ne.	John H. Brown.
Vineland	Cumberland	110	62	...	...	...	...	...	...	4.66	+1.62	2.45	15–16	0	8	17	7	7	ne.	J. Davis Gauntt.
Westfield	Union	145	2	...	...	...	...	...	...	2.66	...	0.85	27	0	7	19	5	7	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	...	...	...	...	...	...	2.98	−0.06	1.27	26	0	6	...	...	...	...	Hackensack Water Co.
Woodstown	Salem	16	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Geo. S. Keen
New York, N. Y.	...	10	72	58.8	+2.5	80	9	36	27	1.91	−1.62	0.62	17	0	9	13	7	11	ne.	U. S. Weather Bureau.
Philadelphia, Pa.	...	26	72	59.0	+1.2	82	9	36	27	3.40	+0.59	0.96	26	0	9	10	8	13	ne.	U. S. Weather Bureau.
For the State	...	...	...	56.1	+1.5	87	8	21	28	3.43	−0.18	3.02	16	0	9	15	6	10	ne.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, a, b c, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-2-13-43-925

Daily Precipitation for October, 1942

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Atlantic City[1]‡	Coast				T.	.17									.04	.06	3.02	.75	T.			.46	.23	.27	.32	.30	.71					.26	6.59
Barnegat City[4]	Coast				T.	.16	.01								.02	T.	1.29	.62				.43	.28	.05	.17	.08	.67					.17	3.95
Belleplain	Tuckahoe					.11	.10							T.	.18	.13	.24	.39	.15			.51	.01		.25		.80						2.87
Belmar	Coast				.01	.15	.01		T.	T.	T.				.01	.06	.49	1.10				.01	T.		.01		.60					.01	2.46
Belvidere	Delaware				.07	.02	.37								.10	.13	.17	.70	.09			.18	.12	.03			1.09						3.07
Berlin	Mullica					.68										1.09						.35		.20			.80					.10	3.22
Boonton[3]	Passaic					03	.30									T.	.14	.09	.79				.48		.01			1.69					3.53
Bridgeton	Delaware				T.	.08	.32								.20	.14	1.49	.95				.34		.04	.25	.03	.92						4.76
Brooklawn	....do				T.		.37								T	.14	.87	.57	.04			.13		T.			*	.61	T.				2.73
Burlington	Delaware						.46								.10	.90	.69	.72	.03			.19	T.				.68	.04	T.				3.81
Canoe Brook[3]	Passaic					.10	.33									.13	.18	.05	.74				.37					1.26					3.16
Cape May[2]‡	Coast				.01	.25							T.	.01	.14	.31	1.37	.11				.28	T.	.05	.15	.01	.36					.11	3.16
Charlotteburg	Passaic					.07	.20								.01	.08	.12	.16	.91			.38	.19				1.15	.45					3.72
Chatham[3]	..do					.07	.34									.11	.27	.06	69				.37					1.13					3.04
Chatsworth	Coast.					.16	.12								.05	T.	.97	.91	T.			.26			.24		.79	T.					3.50
Clayton	Delaware					.10	.92								10	.25	1.82	.80		40					1.07								5.46
Culvers Lake	...do				T.	.03	.40								T.	.11	.12	.78	.07	1.34	.06	.31	.15	.02									3.39
Dover	Passaic				.03	*	.28								*	.36	.25	.90				.63					1.60						4.05
Egg Harbor City[2]	Mullica					.20									.12	.02	1.70	.80			.13				.20	.04	.79						4.00
Elizabeth	Coast				.02	.06	.50								T.	.35	.19	.24	.48			.18	.01		T.		.74	.02					2.79
Flemington	Raritan				.01	.03	.28								.08	.29	.16	.42	.18			.42	.04	T.			.87	.09					2.87
Freehold	.do					.03	.50								T.	.11	.45	.17	.27			.16			.12		.50	T.					2.31
Hammonton	Mullica				T.	.14	.22								.11	.24	1.02	.71	.08			.30			.25		.83	.06					3.96
Hightstown	Raritan				T.	T.	.64								.05	.21	.46	1.33	.08	T.		.10	.01	.01	.03		.70	T.					3.62
Indian Mills	Mullica				T.	.14	.26								.12	.01	.91	.82	T.			.20		T.	.22		.73						3.41
Jersey City	Coast					.52	.03								T.	T.	.08	.78	T.			.09	T.	T.	T.		.74				.01		2.25
Lakewood	Metedeconk				T.	.11	.13								.04	.10	.70	.60	.45			.16	.04	T.	.25		.60	.06					3.24
Lambertville	Delaware				T.	.03	.41								.11	.08	.33	.64	.06			.32		.01	T.		.74	T.				T.	2.73
Layton(near)	...do						.66								.06	.11	.23	.89	.04	T.		.30	.09	.64			1.66	.22	T.				4.90
Little Falls[3]	Passaic					.03	.28									.05	.10	.10	.80				.36					1.50					3.22
Long Branch[2]‡	Coast				.01	.42	.07								.01	.10	.11	.93				.09		.01	.16		.49					.04	2.44
Long Valley[3]	Raritan					.08	.25									.10	.22	.10	.85				.80		.02			1.30					3.72
Marlton	Delaware				T.	.06	.51								.10	T.	.92	.81	T.			.20		T.	.09		.66					T.	3.35
Millville[2]‡	Maurice					.21								.01	.09	.97	1.49	.49				.39		.10	.10		.90						4.75
Moorestown[3]	Delaware					.05	.47								.02	.21	.80		.67				20		.06			.72					3.20
Morris Plains	Passaic					.03	.35			T.					T.	.10	.52	T.	1.01			.45	.22			T.	1.37	.14					4.19
Newark[1]	Coast				.02	.51	T.								.03	.10	.19	.63				.16		T	T.		.77					.02	2.43
New Brunswick	Raritan				T.	.03	.42								T.	.54	.22	.22	.55			.10	T	T.			.58	.09					2.75
New Milford[2]‡	Hackensack				.01	.29	.05										.06	1.01				.40					1.21					.04	3.07
Newton	Delaware				.02	.01	.27								.08	.69	.14	.80	.06			.38	.08	.03			1.35	.01					3.95
Orange[2]‡	Passaic					.41	.02									.11	.10	.67				.27					1.19						2.77
Paterson[3]	Passaic					.01	.16	.12							T	.02	.17	.82				.34					1.43					T.	3.07
Pemberton	Delaware				T.	.10	.42								.04	.06	.87	.84	.07			.14	T.	T.	.13		.78						3.45
Phillipsburg	....do				.03	.27	.25								.15	.12	.35	.69				.30		T.			1.25					T.	3.41
Plainfield	Raritan				T.	.04	.39								T.	.28	.25	.54	T.			.26		T.	T.		.89						2.65
Plainsboro	Raritan						.36								.01	.20	.49	.73	.44		.27	T.					.63	.02					3.15
Pleasantville[3]	Coast					.02	.15								.03	.06	2.35	.20	.62				.52		.32	.09	.03	81					5.20
Rahway[3]‡	Rahway			T.			.45									.10	.45	.15	.58			.08					.60						2.41
Ridgefield[2]	Hackensack				T	.07	.44								T.	T.	.07	.90	T.			.37		T.	T.		.93						2.78
Runyon	Coast						.42									.64	18	.34	.60			.10		.03			.60						2.91
Sandy Hook[4]‡	Coast				.01	.64	.04								T.	.42	.16	.66				.05		T	.02		.23					.02	2.25
Somerville(near)	Raritan				.03	.06									42	.30	.24	.61	.10			.40	.01				1.10	.02				.02	3.31
Sussex	Hudson				T.	.03	.30								.04	.03	.34	.76	.15			.36	.37	.01			1.20	.20					3.79
Toms River	Coast															.05	.75	.85				.19			.22		.70						2.76
Trenton[1]‡	Delaware				T.	.41	T.							T.	.04	07	.59	1.43				.23		T.	.01		.69					.03	3.51
Trenton No. 2[2]	Delaware				T	41								T.	.06	.09	.56	1.53				.38		T.			.89					.01	3.93
Tuckerton	Coast					.12	.10								.02	.09	1.20	.21	.41			.22	.21		.26	.04	.61	.11					3.60
Vineland[3]	Maurice					.12	.10								.05	.43	2.02	.70				.39					.85						4.66
Westfield[3]‡	Rahway					T.	.46									.10	.33	.10	.60				.22	T.				.85					2.66
Woodcliff Lake[2]‡	Hackensack					.28	.05										.09	.98				.31					1.27						2.98
Woodstown	Delaware																																......
New York, N. Y[1]‡	Coast				.01	.48	.03								T.	.04	.08	.62				.08		T.	T.		.56					.01	1.91
Phila., Pa[1]‡	Delaware				.01	.35									.08	.17	.91	.65				.25		T.	.02		.96					T.	3.40

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m. to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Station		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Canoe Brook[3]	Evaporation	.064	.096	.064	.036	.026	.080	.064	.064	.064	.064	.064	.064	064	.002	.020	.018	.004	.096	.096	.032	*	.018	.064	.032	*	*	*	*	*	*	.034	1.230
	Wind movement.	3	2	3	4	2	13	6	2	4	1	2	1	29	3	6	9	11	8	15	5	15	19	8	2	13	19	28	9	7	9	13	271
Pleasantville[3]	Evaporation	.112	.032	.160	.084	.022	.128	144	.048	.096	.064	.128	.128	.062	*	**	.008	*	*	.076	.064	.088	.096	.064	*	.120	.074	*	.128	.064	.032	.070	2.162
	Wind movement.	4	21	21	47	34	37	27	22	12	78	9	62	55	28	38	45	50	32	21	15	48	62	23	22	24	74	31	19	7	12	34	1,014
Runyon	Evaporation	.120	.120	.090	.090	.060	.020	.090	.090	.090	.060	.080	.080	.080	.060	.040	.020	.040	*	.090	.080	.100	.090	.030	.080	.060	*	.060	.060	.060	.060	.040	2.040
	Wind movement.	16	30	26	12	12	16	17	17	16	18	14	36	51	45	54	60	29	31	12	12	13	16	13	14	14	20	27	28	12	9	14	704

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for October, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	66	67	62	65	67	66	67	70	76	68	65	63	63	65	67	67	62	69	68	72	65	68	67	60	60	62	47	56	62	69	68	65.1
	Minimum	50	52	57	50	63	55	50	56	63	60	59	58	60	63	64	61	51	51	48	53	61	61	57	51	56	43	37	36	47	52	61	54.4
Barnegat City‡	Maximum	66	64	62	65	65	64	68	68	74	66	64	64	62	64	67	65	62	69	68	70	64	70	70	60	60	62	48	55	62	67	69	64.6
	Minimum	44	51	49	46	58	47	42	51	55	54	56	55	54	60	59	57	50	50	42	41	46	59	54	48	55	39	34	32	35	43	48	48.8
Belleplain	Maximum	...	....	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....	......
	Minimum	32	38	39	30	54	51	36	40	50	44	53	47	54	56	61	61	55	47	39	35	41	58	54	45	50	46	29	21	27	31	40	44.0
Belvidere	Maximum	70	72	70	64	64	64	74	77	82	76	76	66	65	60	65	62	58	71	66	66	60	71	62	64	64	62	54	55	70	68	72	66.8
	Minimum	60	51	37	38	53	49	36	41	45	52	48	44	42	52	56	58	50	47	41	37	37	64	54	41	41	43	30	27	30	36	44	44.3
Boonton§§	Maximum	67	69	64	69	62	61	70	72	81	75	73	66	64	62	64	64	60	68	63	64	62	70	62	65	64	58	45	55	66	67	71	65.3
	Minimum	32	48	39	32	34	55	38	40	41	44	44	45	42	47	54	59	54	47	44	36	36	38	55	45	44	50	36	30	29	30	36	41.9
Bridgeton	Maximum	70	77	71	67	65	64	74	78	81	78	73	72	66	65	72	68	64	68	68	69	64	74	66	61	67	60	47	57	64	66	74	68.1
	Minimum	60	45	43	40	60	52	41	46	51	51	54	52	50	57	63	63	54	51	44	40	47	57	56	47	49	45	32	28	34	49	52	48.8
Burlington	Maximum	79	71	68	79	69	78	75	87	83	75	78	72	73	71	65	65	62	67	63	68	64	68	61	60	60	60	47	57	69	74	73	69.1
	Minimum	41	46	45	49	56	49	40	47	48	55	54	52	51	58	53	53	51	50	44	39	44	44	49	41	43	47	27	32	34	39	48	46.1
Canoe Brook§§	Maximum	67	68	68	68	64	65	77	76	86	80	77	70	65	61	70	68	64	68	63	62	61	72	63	69	63	63	51	56	62	66	76	67.4
	Minimum	35	39	32	34	36	49	33	39	42	45	45	37	34	47	55	53	53	46	32	31	33	39	59	43	44	50	32	29	27	32	36	40.0
Cape May.*	Maximum	66	69	64	66	68	65	67	69	79	70	67	65	66	66	70	69	62	68	68	72	66	69	70	61	62	64	49	54	61	67	68	66.0
	Minimum	57	52	49	62	61	63	58	63	58	59	57	59	61	64	65	61	53	55	52	62	64	65	51	53	58	41	41	45	50	60	61	56.5
Charlotteburg	Maximum	68	69	74	68	67	62	70	73	81	73	73	71	62	63	63	61	59	66	64	63	61	69	67	63	64	62	54	55	61	61	67	65.6
	Minimum	30	....	....	32	50	54	29	32	36	36	40	42	40	54	52	56	49	46	32	29	28	55	53	43	35	48	30	28	25	25	29	39.2ᵇ
Chatsworth	Maximum	72	70	65	68	64	65	75	74	83	74	74	66	65	66	72	66	60	68	66	67	65	76	67	62	62	60	50	55	65	73	75	67.4
	Minimum	35	41	41	33	55	51	38	41	44	49	53	48	54	55	62	60	53	49	41	33	39	57	59	48	50	49	30	22	28	38	48	45.1
Clayton	Maximum	69	73	69	65	65	65	74	78	82	78	73	70	65	65	73	71	65	69	71	75	69	62	64	60	48	57	58	60	65	74	70	67.8
	Minimum	37	43	40	36	56	62	62	66	72	67	55	61	56	61	63	65	56	58	55	57	61	52	53	50	36	43	46	54	50	45	42	63.5
Dover	Maximum	65	66	60	57	61	61	79	70	78	71	70	63	62	59	63	61	57	66	62	62	61	69	62	61	62	56	43	53	59	65	70	68.0
	Minimum	37	45	35	32	53	43	35	39	43	50	43	47	44	53	58	55	48	44	39	35	34	57	49	44	41	37	32	31	29	34	48	42.4
Elizabeth	Maximum	71	74	68	66	64	64	75	71	85	80	78	64	68	66	68	64	63	73	68	69	62	76	68	67	65	60	48	59	66	73	76	68.4
	Minimum	39	39	44	35	54	51	40	43	48	54	48	49	47	57	60	60	51	47	38	36	40	53	58	47	50	46	34	28	31	38	44	45.5
Flemington	Maximum	74	68	68	60	64	64	77	79	87	78	72	72	62	62	65	65	60	74	64	70	63	73	67	68	60	60	49	61	65	70	70	67.5
	Minimum	41	47	42	36	55	53	38	46	45	55	48	51	44	56	58	60	52	49	42	36	40	55	56	47	46	49	33	31	31	36	44	45.9
Freehold	Maximum	70	68	65	64	64	65	72	73	81	75	72	63	64	62	66	63	62	68	65	68	61	74	68	63	62	61	46	56	63	72	75	66.2
	Minimum	40	40	42	36	54	52	40	44	50	53	52	48	52	52	59	55	48	48	42	37	42	57	54	46	49	46	32	30	30	39	44	45.6
Hammonton	Maximum	72	72	69	68	68	68	76	78	84	76	76	67	67	68	73	69	68	70	69	72	68	71	68	68	68	68	65	61	62	70	71	70.0
	Minimum	51	45	37	34	56	50	40	43	53	49	54	48	49	58	62	62	53	49	43	36	41	56	58	48	50	47	29	27	31	35	44	46.4
Hightstown	Maximum	70	69	63	64	65	64	74	76	82	73	72	65	65	61	66	64	59	69	65	67	61	73	67	65	61	60	46	56	65	71	72	66.1
	Minimum	37	41	41	33	54	51	39	44	47	53	49	48	50	55	58	58	50	48	40	35	38	55	56	47	49	44	31	29	31	35	46	44.9
Indian Mills(near)	Maximum	70	74	70	65	64	65	74	77	83	78	77	69	64	66	72	67	59	69	67	69	64	74	67	63	64	60	48	57	65	72	75	68.0
	Minimum	34	40	37	31	56	50	36	40	47	48	53	46	49	58	62	58	53	48	42	32	39	57	55	46	48	46	30	23	28	33	44	44.2
Jersey City	Maximum	70	70	66	65	67	65	74	73	83	75	75	69	65	63	68	68	63	70	69	68	64	76	66	65	62	61	46	56	62	69	72	67.3
	Minimum	48	49	43	47	58	54	49	50	55	56	55	52	48	58	60	63	53	51	48	48	54	61	63	51	50	44	37	37	43	44	51	51.0
Lakewood	Maximum	69	66	67	66	65	65	72	72	81	73	72	65	64	64	67	65	60	68	67	68	62	76	69	64	61	61	51	57	64	72	74	66.7
	Minimum	37	39	41	35	47	53	38	42	57	51	52	48	55	58	61	59	54	49	39	35	40	58	58	47	49	47	34	27	30	35	48	45.7
Lambertville	Maximum	70	71	67	61	65	64	73	75	82	75	75	64	65	61	67	65	62	71	67	67	65	72	67	65	62	60	47	57	63	69	73	66.7
	Minimum	38	41	41	37	56	52	36	44	48	50	50	49	45	56	59	60	52	47	35	38	37	56	57	46	46	41	32	28	30	34	45	44.7
Layton(near)	Maximum	68	50	62	56	61	62	71	75	67	74	72	69	63	55	63	61	50	66	60	63	60	69	64	64	65	65	45	55	61	66	71	63.0
	Minimum	35	41	31	31	52	41	33	36	41	45	46	36	33	48	55	50	48	47	34	31	29	30	47	28	33	42	31	24	24	33	41	37.9
Little Falls§§	Maximum	70	70	78	63	64	62	73	75	84	77	74	67	65	62	65	65	70	70	66	67	64	74	63	66	65	60	46	57	64	71	74	67.5
	Minimum	36	42	36	35	54	54	37	42	46	51	44	44	42	51	52	60	54	47	40	37	37	48	60	48	46	52	35	31	31	35	44	44.2
Long Branch*	Maximum	63	65	63	63	65	63	72	70	83	68	70	63	63	62	67	64	60	70	67	65	63	73	67	62	61	62	48	57	60	67	67	64.9
	Minimum	40	49	44	39	60	55	42	49	55	57	56	56	57	59	61	59	49	49	44	39	41	58	49	48	52	39	32	31	35	40	47	48.1
Long Valley§§	Maximum	68	70	65	58	63	61	71	74	83	76	74	66	64	60	65	62	58	70	70	65	[illegible]	71	62	65	64	58	45	55	63	68	74	65.5
	Minimum	32	38	39	32	50	47	31	35	38	40	41	45	38	45	52	57	51	45	34	31	32	36	52	40	38	46	30	25	25	34	39	39.3
Moorestown*	Maximum	67	71	65	62	63	60	71	75	81	74	74	65	65	62	68	64	60	69	65	67	62	73	64	63	63	62	46	55	64	72	73	66.0
	Minimum	38	43	41	36	55	47	40	45	50	53	53	50	49	57	58	61	52	49	43	35	42	47	52	47	49	44	34	30	33	37	46	45.7
Newark*	Maximum	68	67	62	64	64	63	74	70	83	74	73	66	63	63	67	64	59	69	66	66	63	75	67	63	61	61	47	56	62	70	71	65.8
	Minimum	43	48	46	40	56	47	43	49	63	57	52	52	48	56	59	59	51	47	44	42	44	56	52	51	52	39	36	33	36	41	47	47.7
New Brunswick	Maximum	67	68	62	62	64	65	72	74	82	80	73	67	64	61	64	64	60	70	67	65	64	73	72	63	61	60	51	51	64	70	73	66.2
	Minimum	39	45	43	40	54	42	39	46	50	54	50	51	41	56	58	59	52	49	44	37	42	57	58	49	50	51	34	31	33	38	47	46.4
Newton	Maximum	68	65	66	57	61	60	72	74	80	72	73	62	63	66	62	60	55	68	63	65	58	70	63	69	65	56	44	56	61	68	79	64.5
	Minimum	39	42	33	35	49	48	38	40	47	49	43	40	39	48	52	52	45	44	40	35	35	53	48	40	40	37	28	37	30	47	46	41.6
Paterson§§	Maximum	70	71	68	64	64	62	74	75	85	78	76	70	66	64	66	66	60	64	65	68	63	75	66	67	66	60	47	58	64	72	75	67.5
	Minimum	33	43	41	33	35	50	41	43	44	45	45	46	43	47	54	58	53	47	41	38	37	43	58	47	48	49	33	32	31	32	37	42.8
Pemberton	Maximum	71	73	67	65	65	65	74	79	83	78	73	68	65	65	69	67	62	71	68	69	63	75	72	65	63	60	50	57	67	74	73	68.3
	Minimum	38	43	41	34	56	53	38	45	49	51	54	50	52	58	61	61	53	49	43	36	43	57	58	48	52	49	33	29	33	38	49	46.9
Phillipsburg	Maximum	68	70	65	58	64	62	73	74	78	73	72	65	62	59	65	64	60	69	62	63	61	69	64	60	61	57	44	52	60	65	78	64.3
	Minimum	40	44	39	57	48	45	36	44	45	51	47	44	41	52	55	59	50	48	37	36	38	54	49	42	41	40	31	28	30	34	43	43.5
Plainfield	Maximum	69	71	66	63	64	63	73	76	82	75	77	65	64	62	66	63	61	71	67	66	60	74	66	65	62	60	47	56	65	72	74	66.6
	Minimum	39	47	42	36	52	52	39	46	48	55	49	50	47	57	58	57	51	48	39	38	41	54	50	49	50	46	35	31	31	39	45	45.8
Pleasantville§§	Maximum	66	69	69	65	66	64	71	71	80	71	70	65	64	66	69	68	61	69	69	71	66	73	70	60	60	60	49	57	62	69	72	66.5
	Minimum	36	42	42	35	45	51	40	42	41	49	55	48	57	60	62	64	58	50	41	35	39	60	62	49	46	57	31	26	29	34	48	46.1
Ridgefield*	Maximum	70	67	65	62	64	63	76	75	84	76	75	66	64	63	69	65	59	69	68	67	63	73	67	65	63	62	50	58	62	70	72	66.8
	Minimum	30	40	39	35	55	52	38	44	49	51	47	51	47	55	59	59	49	46	39	38	40	59	50	46	49	39	33	31	33	39	48	45.1
Runyon	Maximum	68	69	66	65	64	69	72	73	74	74	73	74	71	69	65	63	71	69	72	68	64	69	62	71	69	63	66	65	73	74	71	68.9
	Minimum	36	38	34	27	58	60	29	38	46	43	40	40	42	41	50	52	49	48	30	40	49	48	44	46	44	42	28	26	24	26	38	40.5
Sandy Hook‡	Maximum	65	66	63	63	66	63	72	70	81	70	70	63	62	63	65	63	61	68	65	65	61	74	68	61	60	61	47	55	60	65	62	64.5
	Minimum	49	53	51	47	58	52	48	55	57	56	51	55	54	58	60	61	54	52	49	50	52	60	54	51	55	41	38	39	43	47	52	51.7
Somerville(near)	Maximum	69	70	65	62	64	61	72	74	82	75	73	65	64	59	67	62	59	68	64	64	60	71	62	65	65	60	45	55	63	70	73	65.4
	Minimum	42	49	40	38	54	49	42	51	53	55	49	46	41	50	54	55	49	47	42	39	50	54	52	46	49	44	32	31	33	38	47	45.8
Sussex	Maximum	67	65	64	59	63	62	71	73	80	72	73	65	63	58	62	61	56	67	63	63	60	70	65	65	68	65	48	50	62	71	73	64.6
	Minimum	37	39	32	31	52	49	34	34	44	48	41	38	40	50	55	54	47	47	39	33	32	57	53	41	39	43	33	28	28	35	40	41.2
Trenton*	Maximum	68	68	64	63	64	60	74	75	83	74	73	63	63	61	66	63	60	69	65	66	63	73	67	64	60	60	45	57	64	70	72	65.7
	Minimum	44	51	46	41	56	50	45	52	51	58	53	52	50	57	60	57	49	50	47	43	45	57	54	50	52	40	36	35	39	42	52	48.8
Trenton No. 2*	Maximum	69	70	65	63	65	62	72	74	82	76	74	66	65	61	66	63	58	70	66	67	62	73	66	64	62	60	46	56	63	70	71	66.1
	Minimum	40	48	43	38	56	49	42	48	50	53	51	48	47	57	59	55	49	49	45	39	41	56	51	48	50	42	34	32	34	38	49	46.5
Tuckerton	Maximum	68	68	65	67	66	67	73	71	83	78	71	67	67	69	72	69	68	70	73	71	66	72	70	66	60	60	52	59	63	71	70	68.3
	Minimum	38	45	43	40	58	52	40	45	54	50	55	50	55	58	62	61	55	48	47	38	44	58	62	44	52	50	32	31	32	48	46	48.2
New York, N. Y.*	Maximum	67	68	65	63	62	62	71	72	80	73	73	65	62	64	68	65	61	69	64	65	63	74	68	63	62	61	47	55	61	68	71	65.6
	Minimum	49	54	51	49	57	53	50	59	56	58	56	51	55	57	60	60	50	49	48	49	54	56	56	50	55	39	36	36	44	53	54	51.9
Philadelphia, Pa.*	Maximum	68	72	66	62	64	62	73	78	82	76	73	64	63	62	67	64	59	70	67	68	63	73	67	63	61	59	46	55	63	70	73	66.2
	Minimum	49	54	48	46	57	54	51	58	56	59	56	54	52	58	60	57	52	53	51	50	50	58	55	51	55	41	36	38	43	47	54	51.7

a, b, c, etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

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CLIMATOLOGICAL DATA

24

NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

VOL. XLVII. NOVEMBER, 1942. No. 11

GENERAL SUMMARY.

The first week of November was quite cool with killing frosts in those localities where they had not previously occurred this fall. There was another cool period from the 11th to 15th with most stations registering their coldest for the month on the 15th. The period from the 17th to 21st was unseasonably warm, averaging about 12° above normal. In south and central Jersey, maximum temperatures on the 20th were generally around 75°.

Rainfall was above normal at most stations and averaged 129 percent of normal for the State. It was well distributed through the month but the heaviest amounts fell generally on the 24-25th. Traces of snow were recorded at several stations on the 13th. The only station reporting more than that amount for the month, however, was Ridgefield with 0.1 inch. Winds of gale force were registered on the 10th and 29th, but no serious damage occurred. Sunshine was about normal.

Harvest of root crops and corn husking continued through the month, delayed by the frequent rains and the shortage of farm labor. Fall-sown grains and grasses were in good condition at the close of the month.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 41 stations, was 44.9°, which was 1.2° above normal. The highest temperature was 78° at Pleasantville on the 21st, and the lowest, 12°, at three stations on the 15th and 23d. The highest monthly mean temperature was 50.4° at Cape May, and the lowest, 40.3° at Layton. The temperature departure from the normal for the year, 1942, to date, for the State is +1.1°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 60 stations, was 4.14 inches, which was 0.94 inches above normal. The average total snowfall at 21 selected stations was a trace, which was 1.3 inches below normal. The greatest monthly precipitation was 7.10 inches, at Lakewood, and the least, 2.04 inches, at Bridgeton. The greatest amount of precipitation in any 24 consecutive hours was 3.26 inches at Runyon on the 24-25th. The average for the Highlands was 4.84 inches; for the Red Sandstone Plain 4.45 inches; for the Southern Interior 3.67 inches; and for the Sea Coast 3.31 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +10.08 inches; Red Sandstone Plain, +6.48 inches; Southern Interior, −0.51 inches; Sea Coast, +1.06 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 1, 2, 6, 10, 17, 18, 27, 30.
SLEET: 11, 13, 23.
THUNDERSTORMS: 10, 11, 24, 25, 26.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m.	
Atlantic City	30.09	30.56	5	29.31	25	16.5	42	se.	10	74	61	70	65
Long Branch	30.07	30.55	5	29.25	25	12.2	44	s.	10	78	58	72	50
Trenton	30.08	30.57	5	29.33	25	9.6	32	s.	10	75	57	69	55

COMPARATIVE DATA FOR NOVEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	44.8	76	18	4.53	......	......	......	......	......
1886	44.5	73	17	4.49	......	......	......	......	......
1887	41.5	72	13	1.94	......	6	......	......	......
1888	45.8	77	8	3.97	......	10	......	......	......
1889	45.7	69	13	**8.48**	......	13	......	......	......
1890	43.8	74	11	0.82	......	8	13	12	5
1891	42.2	70	6	2.39	......	4	12	10	8
1892	41.9	71	12	7.29	......	11	8	9	13
1893	41.8	70	11	3.48	......	7	10	11	9
1894	40.3	76	11	3.34	......	10	13	7	10
1895	45.7	80	12	3.17	0	10	12	7	11
1896	48.2	78	12	3.05	3.2	8	9	9	12
1897	43.8	74	10	4.59	1.3	12	8	11	11
1898	42.4	70	11	6.76	**14.7**	14	10	9	11
1899	44.0	71	17	2.29	1.1	7	15	8	7
1900	47.5	79	15	3.43	T.	9	9	10	11
1901	**38.5**	69	10	2.38	0.8	6	12	9	9
1902	49.3	80	20	2.20	0.2	8	10	11	9
1903	39.9	79	3	1.26	T.	6	16	8	6
1904	40.2	69	6	2.18	1.6	6	12	10	8
1905	42.1	70	6	1.84	0.1	6	12	10	8
1906	43.6	70	8	1.61	2.3	6	16	7	7
1907	43.5	68	13	5.65	0.8	13	10	8	12
1908	43.1	72	2	0.96	2.2	4	14	8	8
1909	46.4	80	12	2.36	2.1	8	13	8	9
1910	40.4	71	13	3.79	1.4	9	5	13	12
1911	41.3	73	13	5.17	1.7	10	8	11	11
1912	45.3	76	11	3.43	1.3	6	15	8	7
1913	46.2	77	21	2.71	T.	7	14	7	9
1914	43.3	80	6	2.60	0.7	6	16	8	6
1915	44.0	75	17	1.69	0	8	14	8	8
1916	43.3	75	12	2.11	T.	8	16	5	9
1917	39.8	68	9	**0.56**	0.7	3	19	5	6
1918	43.9	71	12	1.87	0	7	14	6	10
1919	43.7	76	13	3.74	T.	11	13	7	10
1920	43.0	74	12	4.41	0.2	10	9	6	15
1921	44.3	79	18	4.26	0.1	14	9	6	15
1922	44.3	73	13	0.91	0.2	6	13	8	9
1923	43.1	72	11	2.51	0	7	11	8	11
1924	42.9	77	1	2.03	1.3	5	14	8	8
1925	42.0	76	10	3.40	0.7	9	14	8	8
1926	42.5	76	8	4.04	T.	9	13	8	9
1927	47.9	78	15	4.02	0.1	11	10	8	12
1928	45.1	78	13	1.90	0.3	9	10	9	11
1929	44.5	**83**	4	2.73	0.4	10	10	7	13
1930	44.1	73	2	3.70	0.2	9	12	6	12
1931	**50.3**	80	14	0.82	1.6	6	12	7	11
1932	42.0	71	3	7.81	T.	9	14	6	10
1933	40.6	78	7	1.01	0.6	7	13	7	10
1934	47.3	80	10	2.91	0.1	11	12	6	12
1935	47.8	78	8	4.95	2.1	13	7	6	17
1936	41.1	80	3	1.18	1.3	6	14	7	9
1937	43.7	72	10	4.56	0.2	9	16	5	9
1938	45.6	80	**−7**	3.42	12.6	12	14	6	10
1939	41.5	78	12	1.86	0.2	4	17	6	7
1940	43.5	76	10	4.66	1.0	10	8	7	15
1941	46.8	78	13	2.90	0	5	17	7	6
1942	44.9	78	12	4.14	T.	10	14	7	9
Period	43.7	83	−7	3.20	1.3	8	12	8	10

Climatological Data for November, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	49.6	+4.0	75	21	24	15	2.21	−0.61	0.61	29	T.	9	10	8	12	w.	U. S. Weather Bureau.
Barnegat City††	Ocean	36	§22	47.0	....	74	20†	24	14†	4.17	....	1.64	24	0	8	....	....	...	......	U. S. Coast Guard.
Belleplain	Cape May	49	48	......	....	......	.....	12	15	3.12	+0.58	0.84	11	0	7	16	8	6	w.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19	....	......	....	......	......	......	......	4.44	....	0.98	25	T.	12	15	3	12	w.	Fred Fine.
Belvidere	Warren	289	51	42.8	+1.4	68	20	21	15	4.01	+0.82	1.60	25	T.	10	19	2	9	......	Miss C. S. Hixson.
Berlin	Camden	70	....	......	....	......	......	.	......	3.01	....	1.00	24	......	5	19	6	5	......	Samuel H. McCulley.
Boonton	Morris	280	§52	41.5	+0.1	68	21	18	15	4.53	+1.52	1.75	25	T.	9	18	1	11	sw.	John Kline.
Bridgeton	Cumberland	30	59	46.6	+0.9	75	20	19	15	2.04	−0.56	0.59	24	0	9	20	7	3	nw.	Bennett K. Matlack
Brooklawn	Camden	30	....	......	.....	......	......	......	......	3.69	....	1.11	25	0	7	....	....	....	......	C. D. Scott.
Burlington	Burlington	12	§56	46.0	+0.3	74	19	21	15	2.87	−0.11	0.94	24	0	7	18	5	7	nw.	Public Service E. & G. Co.
Canoe Brook...‡‡	Essex	180	12	40.6	−1.1	70	10†	13	15	4.18	+0.59	1.70	25–26	......	12	14	5	11	nw.	N. J. Water Policy Comm.
Cape May††	Cape May	17	54	50.4	+3.0	72	19†	30	14	1.39	−1.82	0.70	29	......	9	10	11	9	nw.	Naval Air Station.
Charlotteburg‡‡††	Passaic	760	50	41.4	+0.7	70	20	12	23	5.67	+2.05	2.52	25	T.	11	14	2	14	nw.	Newark Water Dept.
Chatham	Morris	185	38	......	....	.	......	......	......	4.66	+1.22	1.59	25	0	14	14	7	9	......	Paul Molitor. Sr.
Chatsworth	Burlington	90	1	45.8	....	75	20	19	15	3.72	....	1.64	24	0	6	13	9	8	nw.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	......	....	75	20	......	......	3.53	+0.81	1.11	24	0	6	17	8	5	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41	......	....	......	......	......	......	4.67	+1.57	2.50	25	0	10	....	....	....	......	L. S. Depue.
Dover	Morris	600	58	41.8ᵃ	+1.1	70	20	18	15	5.24	+1.69	2.25	25	T.	9	3	18	9	......	William C. Harris
Egg Harbor City	Atlantic	63	20	......	....	......	......	......	......	3.75	+0.05	1.40	24	0	8	23	2	5	sw.	Chas. E. Hall.
Elizabeth	Union	34	63	45.2	+1.3	74	20	17	15	4.56	+1.64	1.42	24	T.	15	18	3	9	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§56	44.4	+0.8	70	1	20	15	3.63	+0.68	1.05	25	0	11	17	5	8	nw.	Hiram E. Deats
Freehold	Monmouth	194	§38	45.1	+4.9	73	20	20	15	6.68	+2.85	2.20	24	0	13	19	3	8	sw.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	49.7	+3.1	76	21	17	15	2.74	−0.32	1.14	24	T.	10	19	6	5	sw.	J. G. Wilson.
Hightstown	Mercer	110	49	44.9	+1.1	72	20	20	15	3.51	+0.61	1.00	24	T.	13	13	9	8	nw.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	45.4	+1.5	75	20	14	15	2.83	−0.17	1.06	24	0	11	14	8	8	w.	Edward Entwistle.
Jersey City††	Hudson	81	44	47.6	−2.7	74	20	24	15	4.70	+1.70	1.24	24	T.	10	13	6	11	nw.	Jersey Journal.
Lakewood	Ocean	54	38	46.6	+2.8	74	20	22	15	7.10	+4.01	2.00	24	T.	12	9	7	14	nw.	R. W. Holman.
Lambertville	Hunterdon	75	55	45.7	+2.5	69	10	18	15	4.48	+1.43	1.05	23	0	12	16	6	8	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	41	40.2	+0.7	73	20	14	23	5.21	+2.14	2.75	25	T.	12	12	4	14	nw.	A. M. Depue.
Little Falls	Passaic	157	39	44.0	+0.9	72	21	20	23	4.89	+1.49	1.85	25	0	13	11	10	9	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	45.9	+1.5	74	20	23	15	4.00	+0.44	0.88	24	T.	13	9	8	13	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	41.2	. ....	70	20	15	15	5.50	+1.24	2.00	25	0	10	16	8	6	w.	Arthur Barkman.
Marlton	Burlington	90	....	......	....	......	......	......	.....	3.79	....	1.10	24	T.	9	15	7	8	w.	David Griscom.
Millville	Cumberland	60	1	.. ...	....	......	......	......	......	2.92	....	1.37	24	......	8	13	6	11	......	Paul Ritchie.
Moorestown	Burlington	62	79	44.6	+1.5	73	20	18	15	3.83	+0.92	1.14	24	T.	12	9	11	10	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500	....	......	....	......	......	......	......	4.85	....	1.57	25	0	10	19	4	7	......	James C. Long.
Newark	Essex	10	43	45.0	+1.2	73	20	21	15	4.33	+1.24	1.62	24–25	T.	11	9	10	11	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	45.0	+1.3	73	20	20	15	5.19	+2.35	1.58	25	T	11	16	6	8	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24	......	....	.....	......	......	......	4.39	+1.28	1.07	24	0	11	....	....	....	......	Hackensack Water Co
Newton	Sussex	769	59	41.5	+0.6	69	1	15	15	5.43	+2.36	2.32	25	0	15	14	1	15	nw.	Irving J. Kern.
Orange	Essex	63	8	......	....	......	......	......	......	4.23	....	1.30	24	0	13	....	....	....	......	H. J. Finley.
Paterson	Passaic	95	71	43.0	−0.8	72	21	18	15	3.74	+0.62	1.18	25	0	12	15	7	8	w.	J. W. Cook.
Pemberton	Burlington	55	13	47.0	+0.8	74	20	20	15	4.17	+1.07	1.20	24	0	12	15	5	10	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	44.3	+2.4	67	20	23	5	3.73	+0.80	1.06	25	T	10	11	8	11	......	Town Engineer.
Plainfield	Union	120	54	45.4	+2.5	73	20	21	15	3.99	+0.94	1.24	25	T.	10	9	9	12	nw.	S. K .Pearson.
Plainsboro	Middlesex	110	....	......	....	......	......	......	......	4.39	....	1.48	24	0	10	.	....	....	......	Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	46.0	+1.0	78	21	15	15	3.00	+0.18	0.87	1	......	9	17	7	6	nw.	N. J. Water Policy Comm.
Rahway	Union	20	2	......	....	......	......	......	......	3.56	....	1.10	25	0	6	7	20	3	nw.	Louis Fontenelli.
Ridgefield	Bergen	80	25	44.0	+1.0	74	20	20	15	4.66	+1.82	1.10	1	0.1	12	11	11	8	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	42.8	0.0	72	20	15	28	5.53	+2.50	3.26	24–25	......	8	18	10	2	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	46.4	+0.6	66	20	26	14†	3.66	+0.41	1.23	23–24	0	12	6	10	14	w.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	44.4	+1.6	72	20	18	15	4.16	+1.19	1.52	25	0	13	15	6	9	nw.	Richard H. Rogers.
Sussex	Sussex	450	47	41.7	+0.3	71	20	12	15	6.65	+3.83	3.67	25	0	15	14	5	11	w.	Marshall Hunt.
Toms River	Ocean	33	21	......	....	......	......	......	......	5.42	+1.90	2.00	24	0	9	....	....	....	......	Robt. F, Snyder.
Trenton	Mercer	56	70	45.8	+1.2	75	20	24	15	3.17	+0.44	0.87	23–24	T.	9	12	6	12	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	45.4	....	75	20	22	15	3.60	... .	0.82	24	T.	9	....	....	....	......	Edward H. Ristow.
Tuckerton	Ocean	23	49	49.6	+4.2	74	20†	20	15	2.32	−0.68	0.74	24	0	8	19	3	8	nw.	John H. Brown.
Vineland	Cumberland	110	62	......	....	......	......	......	......	2.97	+0.31	1.08	23	0	6	19	5	6	w.	J. Davis Gauntt.
Westfield	Union	145	2	......	....	......	......	......	......	3.56	....	1.86	25	0	7	16	5	9	sw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24	......	....	......	......	......	......	4.19	+1.10	1.20	24	......	11	....	....	....	.....	Hackensack Water Co.
Woodstown	Salem	16	8	......	....	......	......	......	......	......	......	.....	.....	......	....	....	....	....	......	Geo. S. Keen
New York, N.Y.	....	10	72	46.6	+2.4	70	20	25	15	4.47	+1.51	1.50	24–25	T.	12	13	6	11	nw.	U. S. Weather Bureau
Philadelphia, Pa.	....	26	72	47.8	+2.1	73	20	26	28	3.79	+1.09	1.72	23–24	0	9	12	10	8	sw.	U. S. Weather Bureau.
For the State	....	......	....	44.9	+1.2	78	21	12	15†	4.14	+0.94	3.26	24–25	T.	10	14	7	9	nw.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T. precipitation less than 0.01 inch rain or melted snow

Reference letters, ᵃ, ᵇ ᶜ, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton: Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-2-43-925

Daily Precipitation for November, 1942

Stations	Drainage Basin	Day of month																															Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.31	....	.04	....	....	....	T.	T.	....	.52	....	....	T.	T.	....	....	....	.01	....	....	.03	....	.25	.29	.15	T.	T.	....	.61	....	....	2.21
Barnegat City[4]	Coast	.34	....	.07	....	....	....	....	.05	....	.87	....	....	....	....	....	....	....	....	....	....	T.	....	.33	1.64	.21	....	....	....	.66	....	....	4.17
Belleplain	Tuckahoe	.09	....	.10	....	....	....	....	....	....	....	.84	....	....	....	....	....	....	....	....	....	....	....	.13	.60	.77	....	....	....	T.	.59	....	3 12
Belmar	Coast	.55	T.	.20	.01	T.	T.	T.	.05	.01	.88	T.	T.	....	T.	....	....	....	.01	....	....	....	....	.26	.77	.98	.02	T.	T.	.70	T.	....	4.44
Belvidere	Delaware	.26	....	.55	....	....	....	....	.07	....	.43	.05	....	....	T.	....	....	....	....	....	....	.14	....	.05	.52	1.60	....	....	....	.34	....	....	4.01
Berlin	Mullica	....	....	T.	....	....	T.	....	T.	....	.88	....	....	....	....	....	....	....	....	....	....	T.	....	.20	1.00	.38	T.	....	....	.55	....	....	3.01
Boonton[3]	Passaic	.12	...	.42	T.	....	....	....	....	.05	....	.47	....	....	T.	....	....	....	.02	T.	....	....	T.	....	.60	1.75	.80	....	....	....	.30	....	4 53
Bridgeton	Delaware	.11	....	.17	....	....	....	....	....	....	.40	....	....	....	....	....	....	....	.05	....	....	....	.06	.15	.59	.45	....	....	....	.06	....	....	2.04
Brooklawn	....do	.10	....	.23	....	....	....	T.	....	....	....	.41	....	....	....	....	....	....	T.	....	....	....	....	T.	.92	1.11	T.	....	....	.42	.50	....	3.69
Burlington	Delaware	.18	....	.18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.04	.94	.70	....	....	....	.40	.43	....	2.87
Canoe Brook[3]	Passaic	.15	.01	.45	.03	....	....	....	....	.09	....	.51	....	.04	.06	....	....	....	T.	T.	....	....	....	....	.73	1.58	.12	....	....	....	.41	....	4.18
Cape May[2]‡	Coast	.01	....	.01	....	..	T.	.01	T.	....	.30	....	....	T.	....	....	....	....	.01	...	....	T.	T.	.19	.13	.03	T.	T.	....	.70	T.	....	1.39
Charlotteburg	Passaic	.36	....	.50	....	....	....	....	....	.06	.11	.68	....	.09	....	....	....	....	.08	....	....	.04	....	....	.93	2.52	....	....	....	....	.30	....	5.67
Chatham[3]	.. .do	.19	.02	.46	.02	....	T.	....	....	.11	....	.71	....	.01	....	....	....	....	.07	.04	....	....	....	.03	.78	1.59	.21	....	....	....	.42	....	4.66
Chatsworth	Coast	.65	....	.15	....	....	....	....	....	....	.28	....	....	....	....	....	....	....	....	....	....	....	....	....	1.64	.32	....	....	....	....	.68	....	3.72
Clayton	Delaware	.10	....	.20	....	....	....	....	....	....	....	.45	....	....	....	....	....	....	....	....	....	....	....	....	1.12	.98	....	....	....	....	.68	....	3.53
Culvers Lake	...do	.45	....	....	.60	....	. .	....	.05	....	.32	....	....	.05	....	....	....	....	....	....	....	....	.03	....	.44	2.50	....	....	....	.18	.05	....	4.67
Dover	Passaic	.32	....	.42	...	....	....	....	.09	....	.70	T.	....	T.	....	....	....	....	.08	....	....	.05	....	....	.91	2.25	....	....	....	.42	....	....	5.24
Egg Harbor City[2]	Mullica	.61	....	.11	....	....	....	....	....	....	.56	....	....	....	....	....	....	.10	....	....	....	T.	....	.25	1.40	.20	....	....	....	.52	....	....	3.75
Elizabeth	Coast	.47	....	.43	....	....	T.	.01	.07	.03	.55	.03	....	.01	T.	....	....	....	.02	....	....	.04	....	.04	1.42	.97	....	T.	....	.15	.32	....	4.56
Flemington	Raritan	.31	....	.36	....	..	T.	....	.03	....	.40	....	....	.04	....	....	....	....	.06	....	....	.01	....	T.	.79	1.05	....	....	....	.14	.44	....	3.63
Freehold	.do	1.08	....	.24	....	....	....	....	.08	.06	.65	.04	....	.03	.. .	....	. ..	...	.03	...	....	....	....	.17	2.20	1.48	....	T.	....	.39	.23	....	6.68
Hammonton	Mullica	.12	....	.13	....	....	....	....	....	....	.62	T.	....	....	T.	....	....	....	.04	....	....	....	.03	.06	1.14	.26	....	....	....	.11	.23	....	2.74
Hightstown	Raritan	.11	....	.23	...	....	T	.02	.07	....	.72	.05	T.	.01	T.	....	....	....	.03	....	....	T.	....	.03	1.00	.60	....	....	....	.25	.39	....	3.51
Indian Mills	Mullica	.10	....	.18	...	...	T.	T.	.03	.01	.20	....	....	T.	....	....	....	....	.02	....	....	T.	....	.11	1.06	.48	.. .	....	....	.29	.35	....	2.83
Jersey City	Coast	1.10	T.	.44	...	...	T.	....	.09	....	.44	....	....	T.	....	....	....	....	T.	....	....	.03	....	.12	1.24	.76	.06	T.	....	.42	....	....	4.70
Lakewood	Metedeconk	1.10	....	.22	...	....	....	.02	....	....	....	.90	....	....	T.	....	....	....	.02	....	.. .	....	....	.30	2.00	1.75	.02	.02	....	.50	.25	....	7.10
Lambertville	Delaware	.30	....	.36	....	....	....	.01	T.	.02	.04	T.	....	.01	...	....	....	....	.04	....	....	T.	....	1.05	.89	1.00	....	....	....	.37	.39	....	4.48
Layton(near)	....do	.12	....	.55	....	....	.04	....	.10	....	.50	....	T.	.07	....	....	....	....	.13	....	....	.09	....	T.	.56	2.75	....	....	....	.28	.02	....	5.21
Little Falls[3]	Passaic	.19	.01	.55	.01	....	....	....	....	.12	....	.45	....	....	.04	....	....	....	.04	....	. .	....	.04	....	.88	1.85	.37	....	....	....	.34	....	4.89
Long Branch[2]‡	Coast	.48	....	.19	...	....	.02	T.	.06	....	.69	....	....	.03	....	....	....	....	.01	....	....	T.	....	.31	.88	.79	.01	.01	....	.52	....	....	4.00
Long Valley[3]	Raritan	.52	.06	.32	.10	....	....	....	....	.09	...	.46	....	....	....	....	....	....	T.	....	....	....	....	....	.60	2.00	.85	....	....	....	.52	....	5.50
Marlton	Delaware	.12	....	.22	....	....	....	T.	.05	....	.74	....	....	....	T.	....	....	....	.02	....	....	T.	....	.08	1.10	.60	T.	....	....	.86	T.	....	3.79
Millville[2]‡	Maurice	...	....	.09	....	....	..	....	....	....	.59	....	....	....	....	....	....	....	.03	....	....	.03	....	.27	1.37	.06	....	....	....	.48	....	....	2.92
Moorestown[3]	Delaware	.07	.05	.25	....	....	....	.02	....	.02	....	.42	....	. .	.02	....	....	....	....	.04	....	....	T.	....	1.14	.78	.10	....	. ..	....	.92	....	3.83
Morris Plains	Passaic	.38	....	.81	..	....	T.	....	....	.09	.11	.42	T.	T.	....	....	....	....	.05	....	....	....	...	T.	.99	1.57	....	....	....	.02	.38	....	4.85
Newark[1]	Coast	.57	.02	.34	....	....	T.	....	.07	....	.47	...	....	.01	....	....	....	....	T.	....	....	.03	....	.21	1.09	1.02	T.	T.	....	.50	....	....	4.33
New Brunswick	Raritan	.19	....	.32	....	....	T.	....	T.	.06	.70	.06	T.	.55	....	....	....	....	.02	....	....	T.	....	T	1.16	1.58	T.	....	....	.15	.40	....	5.19
New Milford[2]‡	Hackensack	.80	.06	.52	....	....	....	....	.10	...	.70	....	....	....	....	....	....	...	....	....	....	.03	....	.06	1.07	.81	....	....	....	.21	.03	....	4.39
Newton	Delaware	.64	...	.65	....	....	.01	....	.06	.01	.36	....	....	.12	....	....	....	....	.47	....	....	.08	....	.03	.30	2.32	....	.13	....	.30	.05	....	5 43
Orange[2]‡	Passaic	.34	.04	.43	....	....	....	....	.06	....	.42	....	....	.05	....	..	....	....	.02	....	....	.02	....	.21	1.30	.97	....	.. .	....	.36	.01	....	4.23
Paterson[3]	Passaic	.24	.06	.41	....	....	T.	...	.07	. ..	.42	....	....	.01	....	....	....	....	.03	....	....	.02	....	.07	.93	1.18	T.	T.	....	.30	....	....	3.74
Pemberton	Delaware	.24	....	.25	....	....	...	.01	.03	T.	1.15	T.	....	T.	....	....	. ..	..	.02	....	....	T.	T.	.02	1.20	.46	....	.01	....	.03	.75	....	4.17
Phillipsburg	....do	.05	T.	.53	....	...	T.	....	.09	.. .	.38	....	T.	T.	...	....	...	....	.18	....	....	T.	....	.18	.72	1.06	.05	T.	....	.49	....	....	3.73
Plainfield	Raritan	.15	....	.41	....	....	T.	....	.09	....	.42	....	....	T.	....	....	....	....	.02	....	....	.03	....	.05	1.12	1.24	T.	T.	....	.46	....	....	3.99
Plainsboro	Raritan	.15	....	.30	....	....	....		....	.04	.54	.24	....	....	....	....	....	....	T.	....	....	....	....	.09	1.48	.90	....	....	....	.27	.38	....	4.39
Pleasantville[3]	Coast	.87	.01	.05	....	....	....	....	T.	....	....	.60	....	....	....	....	....	....	....	T.	....	T.	.02	....	.59	.20	.16	....	....	....	.50	....	3.00
Rahway[3]‡	Rahway	.51	....	.35	....	....	....	....	T.	....	.40	....	....	....	....	....	....	....	....	....	....	T.	....	....	.80	1.10	T.	....	....	....	.40	....	3.56
Ridgefield[2]	Hackensack	1.10	....	.40	....	....	T.	T.	.08	....	.49	....	....	.02	....	....	....	....	.05	....	....	.02	....	.05	1.03	1.04	T.	.01	....	.37	....	....	4.66
Runyon	Coast	.40	....	.26	...	.	....	....	.08	....	.97	....	....	....	....	....	....	....	....	....	....	....	....	....	1.57	1.69	....	....	....	.20	.36	....	5.53
Sandy Hook[4]‡	Coast	.49	T.	.21	....	....	T.	T.	.09	....	.48	....	....	.06	....	...	....	....	.01	....	....	.01	....	.27	1.05	.55	.01	T.	....	.43	....	....	3.66
Somerville(near)	Raritan	.30	....	.39	...	..		...	.08	.02	.37	.03	....	....	....	....	....	....	.05	....	....	.05	....	.03	.82	1.52	....	....	....	.18	.32	...	4.16
Sussex	Hudson	.60	...	.66	...	..	.02	.01	.07	.01	.37	.03	...	.04	....	....	....	..	.15	....	....	.05	....	T.	.47	3.67	....	....	....	.20	.30	....	6.65
Toms River	Coast	1.10	....	.20	....	....	....	....	....	....	.04	....	....	....	....	....	....	....	.02	....	....	.20	....	.01	2.00	1.25	....	....	....	.60	....	....	5.42
Trenton[1]‡	Delaware	.20	T.	.28	..	..	T.	....	.03	....	.47	....	....	T.	....	....	....	....	.05	....	....	T.	....	.30	.82	.35	T.	T	....	.67	..	....	3.17
Trenton No. 2[2]	Delaware	.25	T.	.31	....	..	T.	....	.04	....	.57	....	....	T.	....	....	....	....	.07	....	...	T.	....	.34	.82	.46	T.	T.	....	.74	T.	....	3.60
Tuckerton	Coast	.49	....	.04	....	....	....	..	.03	....	....	....	....	..	....	....	....	....	.05	....	....	....	....	....	.74	.38	.04	.. .	....	....	.55	....	2.32
Vineland[3]	Maurice	....	....	.29	.	....	....	....	....	....	.75	T.	....	....	....	....	....	....	.03	....	....	....	....	1.08	...	.29	....	.. .	....	.53	....	....	2.97
Westfield[3]‡	Rahway	.27	....	....	.35	....	....	....	....	.07	....	.50	....	....	....	....	....	....	....	....	....	....	....	....	....	1.86	.06	....	....	....	.45	....	3.56
Woodcliff Lake[2]‡	Hackensack	.56	.09	.49	...	....	....	....	.10	....	.35	....	....	...	....	....	....	....	....	....	....	.03	....	.08	1 20	1.05	....	....	....	.22	.02	....	4.19
Woodstown	Delaware	....	....	....	...	....	....	..	....	....	.. .	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
New York, N. Y[1]‡	Coast	1.17	.02	.33	....	....	T	T.	.09	....	.31	....	....	T.	....	....	....	....	.01	....	....	.03	....	.31	.93	.88	T.	.02	....	.37	....	....	4.47
Phila., Pa[1]‡	Delaware	.09	....	.22	....	....	T.	....	.03	....	.27	....	....	....	....	....	....	....	.03	....	....	T.	....	.41	1.69	.11	T.	....	....	.94	....	....	3.79

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace or less than 0.01 inch Time indicated here is 75th meridian, mean sun time

Amounts in italics are estimated.

Daily Evaporation (thousandths of an inch) and Wind Movement (miles)

Canoe Brook[3]	Evaporation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Wind movement.	11	19	10	3	6	5	4	4	6	51	14	22	56	17	18	7	5	7	5	27	1	2	0	3	7	5	31	16	6	3	....	371
Pleasantville[3]	Evaporation	090	.066	.064	*	.128	.064	.064	.032	.064	.120	*	.160	*	*	*	.320	.032	.064	.064	.064	.084	.096	.014	*	008	.064	*	*	.132	*	....	1.794
	Wind movement.	20	68	49	25	14	38	56	16	12	108	42	63	99	91	47	21	55	31	42	52	31	69	35	36	38	51	88	34	*	104	....	1435
Runyon	Evaporation	....	.060	.030	.060	.060	.060	.040	.080	.045	.070	.040	.060	....	....	....	....	.120	.070	.060	.060	.060	.060	.060	.010	.010	.040	.060	....	.200	.360	....	2.217
	Wind movement.	16	17	15	8	9	8	6	9	9	50	31	46	52	57	10	10	12	13	31	21	23	23	27	27	22	16	20	27	27	21	....	663

Note: Evaporation determined by measuring amount returned to pan to maintain standard level, less precipitation. * Measurement included in next following record. [3] Observations taken in morning, and entered on preceding day. ** Pan overflowed.

Daily Temperatures for November, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum	64	63	59	53	58	64	58	59	56	64	49	52	58	36	47	58	60	70	64	73	75	47	51	58	57	55	52	42	56	50	....	56.9
	Minimum	50	49	42	39	40	54	50	50	43	48	36	34	33	27	24	46	51	51	45	53	47	36	41	51	47	46	30	27	38	38	....	42.2
Barnegat City‡	Maximum	63	62	57	49	57	64	57	60	56	64	48	47	56	36	44	60	62	67	59	74	74	44	50	58	54	55	52	44	54	50	....	55.9
	Minimum	42	37	39	36	36	49	49	45	42	46	35	30	31	24	24	35	40	45	43	49	42	34	37	48	44	42	28	24	30	36	....	38.1
Belleplain	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	51	27	39	26	22	39	46	45	34	32	35	20	30	25	12	29	31	46	26	39	54	31	34	41	42	48	34	23	19	32	....	33.1
Belvidere	Maximum	65	61	54	52	54	59	55	52	56	66	59	42	49	35	40	53	59	65	60	68	60	45	37	41	50	51	48	38	42	46	....	52.1
	Minimum	50	32	39	32	25	45	35	44	29	43	38	28	32	24	21	24	30	37	31	40	44	27	23	34	40	41	35	24	24	32	....	33.4
Boonton§§	Maximum	61	61	52	50	53	58	56	54	54	65	44	49	51	31	42	55	63	64	63	68	57	45	38	46	51	57	44	38	44	45	....	52.0
	Minimum	47	30	31	36	24	24	36	36	32	31	39	30	31	25	18	22	26	27	33	33	49	28	19	19	38	45	39	27	25	29	....	31.0
Bridgeton	Maximum	67	66	58	51	61	64	61	62	61	69	61	48	57	41	44	60	68	68	68	75	74	67	41	60	59	60	52	41	50	50	....	56.5
	Minimum	52	34	41	34	30	45	44	47	37	41	38	27	32	27	19	30	36	47	34	44	53	32	35	41	45	39	35	25	25	34	....	36.8
Burlington	Maximum	68	65	60	52	59	61	58	57	69	59	65	46	54	40	46	59	67	73	74	73	69	63	44	50	52	53	39	38	41	43	....	56.6
	Minimum	54	33	41	35	31	45	42	48	37	41	34	27	29	22	21	37	31	49	31	46	49	31	23	38	37	38	25	28	28	27	....	35.3
Canoe Brook§§	Maximum	62	62	52	51	53	59	57	54	54	70	41	46	52	39	43	57	54	66	65	70	58	47	41	46	56	56	46	44	45	47	....	53.1
	Minimum	48	28	29	28	21	24	34	33	26	29	38	28	28	24	13	22	23	25	25	27	51	20	17	19	41	35	37	24	20	26	....	28.1
Cape May*	Maximum	62	63	55	56	59	63	59	62	62	65	47	53	59	36	48	59	64	67	72	70	72	47	55	58	52	56	44	44	55	49	....	57.1
	Minimum	47	45	41	40	50	50	52	44	52	45	39	45	33	30	34	48	53	47	52	60	40	40	47	47	47	42	32	33	42	35	....	43.7
Charlotteburg	Maximum	67	59	59	48	51	61	56	54	52	62	60	42	50	33	43	61	66	64	63	70	62	50	42	44	48	57	51	41	41	47	....	53.6
	Minimum	48	25	35	29	16	39	33	29	23	36	33	27	26	19	15	21	23	32	30	39	41	24	12	30	39	42	33	21	21	35	....	29.2
Chatsworth	Maximum	63	65	60	53	56	61	60	60	68	68	60	44	50	45	42	60	66	66	65	75	74	55	45	61	58	58	50	43	50	45	....	57.5
	Minimum	52	40	30	30	25	40	44	46	30	33	36	25	29	36	19	24	27	53	29	39	38	30	25	40	48	45	35	22	20	35	....	34.2
Clayton	Maximum	71	66	62	51	58	62	60	59	60	68	65	56	56	47	45	60	67	69	68	75	74	59	50	56	59	60	60	56	47	49	....	59.8
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
Dover	Maximum	62	60	52	48	51	59	53	52	51	64	45	43	50	....	42	58	64	64	63	70	65	47	36	45	48	57	48	38	41	45	....	52.4[a]
	Minimum	39	29	37	29	21	35	37	36	29	43	34	29	29	22	18	29	26	38	33	42	38	26	19	32	41	44	27	23	23	29	....	31.0
Elizabeth	Maximum	63	66	57	55	56	62	59	59	58	69	59	47	55	37	45	57	64	70	67	74	67	49	40	46	52	60	50	42	45	51	....	56.0
	Minimum	51	31	41	30	27	41	39	42	33	40	39	31	29	25	17	24	28	51	34	43	46	30	24	36	45	40	38	25	23	28	....	34.4
Flemington	Maximum	70	64	59	53	52	51	60	54	55	69	59	44	43	39	43	58	67	62	68	69	69	53	42	46	51	53	53	40	40	45	....	54.4
	Minimum	53	31	40	33	26	43	38	43	33	39	38	30	30	25	20	23	27	50	31	41	40	30	26	34	44	44	35	25	24	33	....	34.3
Freehold	Maximum	63	64	57	51	56	61	58	57	56	68	62	48	53	39	42	59	66	66	63	73	66	48	43	53	52	54	49	39	50	56	....	55.7
	Minimum	45	36	39	31	25	43	39	44	32	39	35	29	29	24	20	27	33	50	36	44	47	28	26	37	44	40	32	23	25	32	....	34.5
Hammonton	Maximum	67	67	67	67	66	67	67	67	67	70	67	51	62	46	48	66	70	69	68	71	76	66	51	66	67	67	66	47	53	66	....	63.8
	Minimum	53	31	41	30	25	42	41	47	33	37	38	25	30	25	17	28	36	51	37	43	52	31	30	40	46	41	36	23	25	34	....	35.6
Hightstown	Maximum	67	63	57	52	55	60	56	56	56	67	60	44	53	38	42	57	64	67	64	72	68	48	41	50	50	57	50	40	47	48	....	55.0
	Minimum	49	31	40	32	26	43	39	43	31	42	37	29	32	25	20	28	33	51	34	42	47	28	26	35	44	41	35	24	25	31	....	34.8
Indian Mills(near)	Maximum	65	65	56	50	58	62	59	58	60	69	60	45	57	37	45	60	68	67	67	75	73	49	45	57	56	60	51	41	50	50	....	57.2
	Minimum	46	28	41	29	21	41	43	46	30	34	34	23	30	26	14	28	30	51	32	42	48	29	26	40	45	42	34	21	22	30	....	33.5
Jersey City	Maximum	63	65	58	53	55	62	56	58	55	68	61	45	54	37	44	53	65	68	65	74	68	45	42	48	51	57	48	41	49	48	....	55.2
	Minimum	50	43	42	36	32	48	43	47	39	50	39	34	34	26	24	36	36	55	49	51	45	31	26	37	45	47	37	28	33	36	....	39.9
Lakewood	Maximum	64	66	58	50	56	63	59	60	57	68	65	46	55	40	44	61	68	68	64	74	71	65	60	61	54	54	49	40	58	52	....	58.2
	Minimum	52	31	39	30	28	41	44	45	34	36	37	30	30	26	22	28	32	54	33	41	38	35	26	41	41	39	37	25	24	34	....	35.1
Lambertville	Maximum	68	64	59	52	55	62	58	55	60	69	61	45	53	40	44	59	66	68	65	74	68	51	40	48	51	57	50	47	46	50	....	56.2
	Minimum	53	32	41	29	23	43	37	43	38	42	38	29	32	26	18	33	27	50	30	41	50	29	24	35	45	47	35	24	30	32	....	35.2
Layton(near)	Maximum	65	59	53	49	53	57	56	50	55	63	54	43	47	35	35	42	63	63	65	73	69	42	42	41	49	49	46	37	42	45	....	51.4
	Minimum	50	26	38	28	17	38	33	31	28	38	28	24	28	21	17	19	20	47	27	43	40	23	14	21	40	43	26	22	20	25	....	29.1
Little Falls§§	Maximum	62	64	54	52	54	61	58	56	58	67	47	48	51	44	45	60	65	67	65	72	56	45	41	46	51	59	47	47	46	48	....	54.5
	Minimum	53	31	40	33	24	32	38	37	31	37	39	32	35	24	21	28	28	32	31	44	54	28	20	28	40	45	38	27	26	30	....	33.5
Long Branch*	Maximum	62	63	54	50	55	61	55	60	55	65	48	45	52	35	44	63	67	68	61	74	68	44	44	54	50	57	50	40	50	48	....	54.7
	Minimum	42	34	40	34	33	48	46	47	43	46	37	30	30	24	23	29	38	44	41	50	42	30	29	44	46	45	30	25	28	34	....	37.1
Long Valley§§	Maximum	60	62	55	52	53	60	57	54	55	65	45	45	42	32	42	56	62	67	64	70	62	45	46	48	50	52	46	39	42	46	....	52.5
	Minimum	54	26	38	26	19	40	36	35	25	37	36	26	27	21	15	20	22	40	27	32	43	24	17	32	37	42	32	22	19	27	....	29.9
Moorestown*	Maximum	65	64	53	48	57	62	58	58	57	68	44	45	54	33	43	59	65	66	66	73	72	45	40	50	52	58	52	49	45	46	....	54.9
	Minimum	42	31	40	29	28	43	42	45	32	44	34	29	30	25	18	26	33	35	36	50	39	28	30	37	45	48	28	24	25	30	....	34.3
Newark*	Maximum	63	64	54	49	53	61	54	57	54	68	46	44	52	33	43	57	64	67	64	73	62	44	45	47	52	59	49	40	46	48	....	53.7
	Minimum	45	37	39	37	32	45	43	46	38	45	33	32	30	25	21	30	34	44	42	48	38	32	28	36	44	46	31	27	27	32	....	36.2
New Brunswick	Maximum	65	63	59	52	55	61	58	51	53	68	60	43	52	42	42	51	63	61	63	73	71	48	41	48	51	53	51	40	46	47	....	54.4
	Minimum	54	32	40	30	30	43	40	40	35	40	39	30	33	25	20	27	32	52	31	47	47	30	28	35	45	41	30	25	27	32	....	35.3
Newton	Maximum	69	60	54	48	54	61	54	52	56	63	52	42	48	31	42	57	63	63	65	68	65	49	37	39	47	58	46	36	46	45	....	52.2
	Minimum	42	30	35	28	22	41	33	34	27	40	32	24	28	19	15	25	30	47	39	46	38	23	18	29	36	40	30	20	23	29	....	30.8
Paterson§§	Maximum	63	65	53	53	55	61	58	57	56	67	46	48	52	33	46	60	66	66	67	72	58	48	41	46	51	58	46	40	46	47	....	54.2
	Minimum	50	32	33	34	25	26	40	40	33	34	37	30	31	23	18	21	28	29	36	38	50	28	21	23	37	42	38	25	25	30	....	31.9
Pemberton	Maximum	66	66	57	54	59	61	60	60	60	70	65	47	55	42	44	61	67	65	65	74	70	51	44	54	54	58	56	40	47	49	....	57.4
	Minimum	45	35	41	44	26	45	42	48	36	41	39	29	32	27	20	26	35	51	30	46	51	30	28	40	46	46	36	22	25	35	....	36.6
Phillipsburg	Maximum	66	60	54	48	51	58	56	55	52	66	50	43	50	41	42	54	57	64	60	67	61	43	38	45	51	51	50	40	44	44	....	52.0
	Minimum	42	32	38	31	23	38	37	44	30	45	34	29	31	25	35	24	30	37	32	41	38	28	24	34	40	46	30	24	25	30	....	36.6
Plainfield	Maximum	62	64	54	53	55	60	58	57	55	68	60	45	54	34	43	57	64	68	65	73	67	47	39	46	51	57	48	41	46	49	....	54.7
	Minimum	49	33	42	35	29	43	41	43	38	40	39	31	33	25	21	28	29	50	34	49	47	31	26	35	44	44	37	26	25	33	....	36.0
Pleasantville§§	Maximum	62	64	55	51	57	67	59	61	60	65	48	51	60	36	45	61	64	69	66	75	78	46	55	61	50	57	46	41	55	49	....	57.1
	Minimum	44	30	44	30	25	....	48	48	37	....	37	23	27	27	15	29	30	...	29	46	59	35	34	44	43	42	40	24	19	37	....	35.0[c]
Ridgefield*	Maximum	63	66	53	48	53	62	58	58	57	67	50	47	53	33	45	55	63	68	65	74	62	46	40	46	49	58	47	38	48	48	....	54.0
	Minimum	41	34	40	28	25	43	38	42	33	50	38	30	30	21	20	29	31	39	34	48	37	28	23	36	43	45	29	26	25	30	....	33.9
Runyon	Maximum	65	64	54	56	56	56	53	60	69	68	60	39	34	31	54	56	59	58	70	72	70	59	52	50	49	68	64	49	51	42	....	56.3
	Minimum	44	23	40	29	16	35	26	25	28	40	30	28	27	25	18	26	27	27	20	48	48	26	17	44	42	34	30	15	18	27	....	29.4
Sandy Hook‡	Maximum	62	64	54	49	55	62	54	57	55	63	47	48	52	34	42	56	62	62	59	66	62	43	44	52	50	57	49	39	49	48	....	53.2
	Minimum	46	45	42	39	41	49	46	48	44	46	36	35	31	26	26	35	39	46	45	50	40	35	37	43	46	45	31	28	34	38	....	39.7
Somerville(near)	Maximum	62	64	59	51	54	59	56	54	55	69	48	44	50	38	44	57	65	65	65	72	69	48	42	45	50	54	46	39	44	48	....	53.9
	Minimum	45	32	39	31	29	44	36	43	31	47	36	28	32	22	18	30	37	51	40	46	46	28	21	33	43	44	34	24	27	32	....	35.0
Sussex	Maximum	67	58	54	50	56	59	55	52	55	65	60	42	46	35	41	58	62	63	63	71	62	44	42	40	51	52	47	36	42	44	....	52.4
	Minimum	48	30	38	29	20	40	34	33	26	39	36	27	29	21	12	24	24	48	30	42	38	24	17	32	38	41	33	28	22	27	...	31.0
Trenton*	Maximum	65	64	52	49	55	60	56	55	57	69	46	44	52	34	44	56	64	66	65	75	68	45	41	50	52	56	52	40	45	47	....	53.8
	Minimum	46	40	41	37	33	47	43	46	39	46	33	32	32	25	24	32	37	46	43	50	41	31	33	38	46	48	29	26	31	35	....	37.7
Trenton No. 2*	Maximum	64	64	53	51	55	61	57	56	57	68	52	45	53	34	44	57	64	67	65	75	67	49	40	49	51	57	50	40	46	47	....	54.6
	Minimum	46	34	39	32	29	45	41	45	36	46	34	32	33	25	22	30	35	49	40	47	40	29	30	37	45	46	29	25	31	33	....	36.2
Tuckerton	Maximum	70	65	60	63	64	68	62	63	60	66	64	48	58	55	47	63	68	72	68	74	74	60	50	60	59	60	56	47	52	55	...	61.0
	Minimum	55	36	45	30	30	45	45	47	36	48	38	28	35	27	20	33	42	48	38	47	58	33	32	44	45	43	37	25	25	35	....	38.3
New York, N. Y.*	Maximum	62	64	53	50	53	60	57	58	56	65	47	46	50	32	44	57	64	65	66	70	64	44	43	50	51	58	50	41	49	49	....	53.9
	Minimum	48	45	40	37	39	48	46	47	41	47	38	33	30	26	25	34	41	52	50	52	37	31	35	40	43	47	32	27	32	36	....	39.3
Philadelphia, Pa.*	Maximum	64	64	54	52	57	59	58	57	58	68	47	47	54	37	44	57	65	68	66	73	71	47	43	50	53	57	51	41	45	49	....	55.2
	Minimum	49	44	42	39	37	50	44	49	42	47	37	35	32	28	27	37	42	53	51	52	42	33	37	41	46	49	28	26	36	38	....	40.4

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

51.05
NNJ

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

UNIVERSITY OF

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION.

A. E. WHITE.

TRENTON, N. J.

VOL. XLVII. DECEMBER, 1942. No. 12

GENERAL SUMMARY.

December, 1942 averaged the coldest of any December since 1935, and the minimum of −17° at Layton, on the 21st, was the lowest December temperature in the State since 1933. The temperature was almost continuously below normal, except for the last week, which was comparatively mild. There was a cold period on the 3d-4th, and a severe cold period began on the 19th and extended through the 21st. During the latter period, the coldest weather was experienced at Trenton since January, 1936, and the coldest December weather since 1933. The minimum of −2°, on the 21st, is the lowest ever recorded here so early in the season.

This was the wettest December since 1936 with precipitation 128 percent of normal. It was mostly in the form of rain and was well distributed throughout the month, with more than the usual number of rainy days. The heaviest falls were on the 28th-31st. All but six stations had more than normal for the month, with the heaviest totals in the northern highland area and the smallest in the south. Snowfall occurred mainly on the 9th and 18th, averaging 7.0 inches which is about one third above normal. For the year 1942, precipitation in the Highlands and Red Sandstone Plain areas was much above normal, but in the Southern Interior and Sea Coast areas it was near normal.

Sunshine for December was considerably below normal. There were strong winds on the 2d and 30th, but no damage was reported.

TEMPERATURE.

The monthly mean temperature for the State, as computed from observations of 42 stations, was 30.0°, which was 3.8° below normal. The highest temperature was 67° at Burlington on the 30th, and the lowest, −17°, at Layton on the 21st. The highest monthly mean temperature was 35.3° at Cape May, and the lowest, 24.8° at Layton. The temperature departure from the normal for the year, 1942, to date, for the State is +0.7°.

PRECIPITATION.

The mean total precipitation for the State, as computed from observations of 60 stations, was 4.55 inches, which was 1.00 inch above normal. The average total snowfall at 24 selected stations was 7.0 inches, which was 1.7 inches above normal. The greatest monthly precipitation was 6.76 inches, at Dover, and the least, 2.87 inches, at Berlin and Cape May. The greatest amount of precipitation in any 24 consecutive hours was 3.10 inches at Westfield on the 31st. The average for the Highlands was 5.28 inches; for the Red Sandstone Plain 4.70 inches; for the Southern Interior 4.14 inches; and for the Sea Coast 3.89 inches.

The precipitation accumulated departure from the normal for the year 1942, to date, by sections, is: The Highlands, +11.75 inches; Red Sandstone Plain, +7.37 inches; Southern Interior, −0.20 inches; Sea Coast, +1.33 inches.

DATES OF MISCELLANEOUS PHENOMENA.

DENSE FOG: 10, 11, 12, 23, 25, 26, 28, 29, 30.
SLEET: 13, 16, 18, 22.
THUNDERSTORMS: 1, 2, 13.

PRESSURE, WIND, HUMIDITY AND SUNSHINE

Station	Atmospheric pressure (reduced to sea level)					Wind				Relative Humidity			Percentage of sunshine
	Monthly mean	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m	7:30 p. m.	
Atlantic City	30.08	30.75	27	28.84	2	16.9	45	w.	2	74	62	65	41
Long Branch	30.05	30.83	27	28.75	2	15.3	56	w.	2	71	58	63	40
Trenton	30.07	30.78	27	28.74	2	9.8	33	w.	2	75	62	65	32

COMPARATIVE DATA FOR DECEMBER.

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	35.3	60	6	3.15	......	......	......	......	......
1886	29.1	60	−2	3.51	......	......	......	......	......
1887	33.7	62	6	5.29	......	10	......	......	......
1888	34.9	65	5	3.69	......	8	......	......	......
1889	41.5	71	8	1.62	......	9	......	......	......
1890	30.9	56	3	3.89	......	8	11	10	10
1891	40.9	71	9	4.25	......	8	13	9	9
1892	30.4	68	1	1.87	......	6	9	11	11
1893	34.9	70	5	3.39	......	11	11	10	10
1894	34.8	66	−3	4.36	......	9	12	9	10
1895	37.2	70	3	2.61	0.4	6	11	9	11
1896	31.3	64	−15	1.48	10.7	4	14	9	8
1897	35.1	69	3	4.90	3.4	11	8	11	12
1898	33.3	66	−2	3.53	2.0	9	12	10	9
1899	35.5	69	−1	2.11	0.5	7	14	10	7
1900	34.4	64	−2	2.59	4.1	6	14	10	7
1901	32.6	68	−8	7.30	2.1	11	12	9	10
1902	31.7	62	−11	7.23	9.1	13	13	7	11
1903	28.6	56	−13	4.08	9.2	9	14	9	8
1904	27.0	60	−15	3.19	21.1	12	10	7	14
1905	36.3	61	5	3.65	1.5	7	14	8	9
1906	33.0	70	−5	3.99	1.4	13	9	8	14
1907	36.6	70	−3	4.91	5.9	9	12	8	11
1908	34.0	72	1	3.63	7.8	11	10	8	13
1909	29.8	60	−15	4.45	12.6	5	14	8	9
1910	26.5	58	−14	2.79	11.3	9	11	10	10
1911	38.4	70	2	3.77	5.6	11	10	7	14
1912	36.9	68	−1	4.73	11.0	9	12	9	10
1913	37.7	63	−11	3.03	0.8	7	13	9	9
1914	31.1	66	−9	5.86	2.4	12	10	6	15
1915	31.9	64	3	4.82	13.6	8	12	9	10
1916	32.3	70	−8	4.61	12.6	11	13	8	10
1917	24.8	54	−21	3.18	11.5	8	13	7	11
1918	37.5	66	9	3.92	0.5	10	12	7	12
1919	28.8	67	−18	2.98	6.8	12	10	8	13
1920	36.4	69	7	5.10	1.0	8	11	8	12
1921	32.3	64	−4	2.37	6.2	9	13	8	10
1922	32.5	65	−8	3.86	7.3	12	9	9	13
1923	40.8	69	9	4.14	2.6	12	13	7	11
1924	32.8	68	−4	2.58	0.4	8	10	8	13
1925	34.0	61	−5	2.84	0.6	10	13	7	11
1926	28.4	52	−7	3.44	8.2	11	11	7	13
1927	35.3	70	2	4.54	T.	12	13	6	12
1928	36.3	63	3	1.64	2.7	8	15	5	11
1929	33.8	68	2	3.01	4.1	10	11	6	14
1930	33.0	60	−5	2.67	5.2	8	10	7	14
1931	39.6	72	7	2.27	0.4	9	13	5	13
1932	36.0	69	−6	3.08	10.1	13	12	6	13
1933	31.8	72	−18	3.19	7.4	12	12	5	14
1934	33.2	69	−3	2.90	0.1	8	14	7	10
1935	28.9	60	−14	1.67	9.7	9	10	8	13
1936	37.5	67	−3	6.29	0.6	12	12	6	13
1937	33.2	70	0	1.75	0.6	7	13	6	12
1938	34.8	67	1	2.80	1.4	10	11	6	14
1939	35.2	69	−1	1.54	3.9	8	10	8	13
1940	37.0	67	−4	3.00	3.1	10	12	7	12
1941	37.2	70	0	3.70	0.4	7	12	8	11
1942	30.0	67	−17	4.55	7.0	11	10	7	14
Period	33.8	72	−21	3.55	5.8	9	12	8	11

Climatological Data for December, 1942

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, in inches					No. of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall (unmelted)	Precipitation, .01 in. or more	Clear	Pt. cloudy	Cloudy		
Atlantic City	Atlantic	8	69	35.2	−1.2	58	2	1	21	3.86	−0.08	1.01	28–29	3.0	13	7	10	14	w.	U. S. Weather Bureau.
Barnegat City††	Ocean	36	§22	32.6		57	1	0	20†	3.86		0.93	28		12					U. S. Coast Guard.
Belleplain	Cape May	49	48					1	20	4.60	+0.60	1.02	23	4.2	12	9	7	15	w.	Mrs. Edward C. Hoffman.
Belmar	Monmouth	19								4.19		1.28	28	3.5	15	11	2	18	w.	Fred Fine.
Belvidere	Warren	289	51	27.8	−3.3	48	2	−9	21	5.92	+2.01	1.78	30	8.7	12	18	5	13		Miss C. S. Hixson.
Berlin	Camden	70								2.87		1.00	30		7	14	8	9		Samuel H. McCulley.
Boonton	Morris	280	§52	27.2	−3.1	56	1	−4	21	5.00	+1.30	1.04	31		12	10	2	19	ne.	John Kline.
Bridgeton	Cumberland	30	59	33.0	−3.2	60	30	−2	21	4.13	+0.43	0.95	2	5.0	11	10	4	17	sw.	Bennett K. Matlack
Brooklawn	Camden	30								4.15		1.03	30	5.3	9					C. D. Scott.
Burlington	Burlington	12	§56	32.3	−3.1	67	30	−4	21	4.04	+0.09	1.20	28	4.8	9	15	4	12	w.	Public Service E. & G. Co.
Canoe Brook‡‡	Essex	180	12	26.4	−5.3	58	1	−9	21	4.96		0.96	31		11	11	5	15	nw.	N. J. Water Policy Comm.
Cape May††	Cape May	17	54	35.4	−2.6	56	1	5	20	2.87	−0.53	0.65	9	3.2	16	5	8	18	w.	Naval Air Station.
Charlotteburg‡‡††	Passaic	760	50	26.4	−4.2	51	1	−8	20†	5.57	+1.57	2.01	30–31	13.8	13	12	3	16	nw.	Newark Water Dept
Chatham	Morris	185	38							5.46	+1.29	1.14	31	11.0	11	9	12	10		Paul Molitor, Sr.
Chatsworth	Burlington	90	1	31.2		58	2†	−3	21	3.93		1.00	30	3.0	8	5	17	9	nw.	Alfred L. Stevenson.
Clayton	Gloucester	120	29	34.0^{a}	−0.6	60	30	2	21	5.25	+1.56	1.68	30	8.4	9	2	2	27	n.	Worthy Hitt.
Culvers Lake‡‡	Sussex	760	41							4.88	+1.54	1.46	30	6.2	10					L. S. Depue.
Dover	Morris	600	58	27.7^{b}	−2.7	54	2	−5	21	6.76	+2.58	1.70	29	11.0	9	3	12	16		William C. Harris
Egg Harbor City	Atlantic	63	20							4.84	+1.05	0.90	28	2.0	14	15	9	7	nw.	Chas. E. Hall.
Elizabeth	Union	34	63	30.5	−3.3	63	30	−4	21	4.86	+0.94	1.60	30	5.6	13	10	8	13	nw.	Union County Park Comm.
Flemington	Hunterdon	140	§56	29.6	−3.4	56	2	−4	21	5.02	+1.36	1.33	30	9.0	12	14	4	13	w.	Hiram E. Deats
Freehold	Monmouth	194	§38	30.1		58	2	−5	21	3.97	+0.39	1.16	28	7.0	11	17	5	9	w.	Moreau Plant Co.
Hammonton	Atlantic	95	§36	32.9		65	2	−5	21	4.68	+0.70	0.85	30	6.4	11	9	4	18	sw.	J. G. Wilson.
Hightstown	Mercer	110	49	30.0	−3.4	58	2	−3	21	3.76	+0.22	1.20	28	9.2	11	9	10	12	w.	James R. Pickering.
Indian Mills‡‡	Burlington	100	53	29.8	−4.8	58	2†	−3	21	3.85	−0.26	0.88	30	6.2	11	8	11	12	w.	Edward Entwistle.
Jersey City††	Hudson	81	44	32.2	−2.8	59	2	−3	20†	4.31	+0.66	1.48	30	7.1	11	6	10	15	w.	Jersey Journal.
Lakewood	Ocean	54	38	32.3	−2.2	59	2	−2	21	4.65	+0.46	1.27	30	2.5	8	6	6	19	nw.	R. W. Holman.
Lambertville	Hunterdon	75	55	30.8	−2.6	55	2	−2	21	3.98	+0.28	1.20	28	5.8	9	13	9	9	nw.	George Bailey.
Layton(near)‡‡	Sussex	480	41	24.8	−3.6	52	2	−17	21	4.21	+0.84	1.35	30	5.8	7	10	1	20	ne.	A. M. Depue.
Little Falls	Passaic	157	39	29.2	−3.6	59	1	−5	21	5.55	+2.11	1.26	30	10.3	12	8	10	13	nw.	Passaic Valley Water Co
Long Branch	Monmouth	34	34	31.2	−3.5	58	2	−1	20†	4.28	+0.13	1.43	30	6.4	16	5	9	17	w.	Storm Warn. Display Sta.
Long Valley	Morris	660	12	26.6		55	1	−12	21	5.48		1.05	31	12.0	9	16	7	8	w.	Arthur Barkman.
Marlton	Burlington	90								4.31		1.12	30	5.5	9	12	6	13	w.	David Griscom.
Millville	Cumberland	60	1							3.65		0.80	22, 23	2.3	16	9	10	12		Paul Ritchie.
Moorestown	Burlington	62	79	29.2	−4.8	58	30	−1	21	4.29	+0.52	1.40	29	6.5	13	4	7	20	nw.	Japanese Beetle Laboratory
Morris Plains	Morris	500								5.16		1.75	30	8.8	10	11	9	11		James C. Long.
Newark	Essex	10	43	30.0	−3.7	59	2	−1	20	4.37	+0.41	1.63	29–30	6.7	14	6	11	14	sw.	U. S. Weather Bureau.
New Brunswick	Middlesex	86	89	30.3	−3.2	59	2	−3	21	4.14	+0.60	1.25	30	7.2	10	9	7	15	sw.	N. J. Experiment Station
New Milford‡‡	Bergen	12	24							5.01	+2.05	1.32	30		11					Hackensack Water Co
Newton	Sussex	769	59	25.4	−5.0	53	2	−12	21	4.28	+0.87	1.32	28, 30	12.1	12	6	6	19	nw.	Irving J. Kern.
Orange	Essex	63	8							4.99		1.92	30	6.6	10					H. J. Finley.
Paterson	Passaic	95	71	28.2	−5.3	58	1	−5	21	4.72	+0.87	1.40	30	9.3	14	10	11	10	w.	J. W. Cook.
Pemberton	Burlington	55	13	31.6	−4.6	59	2	0	21	3.84		0.88	30	5.1	11	12	5	14	w.	Charles S. Beckwith.
Phillipsburg	Warren	182	§59	28.8	−3.0	54	2	−2	21	5.84	+2.41	1.46	28	10.9	16	10	9	12		Town Engineer.
Plainfield	Union	120	54	30.4	−2.7	58	2	−2	21	4.48	+0.61	1.48	28	6.5	11	6	13	12	w.	S. K. Pearson.
Plainsboro	Middlesex	110								4.32		1.19	30	6.6	10					Walker-Gordon Lab.
Pleasantville‡‡	Atlantic	8	§44	33.1^{a}	−2.4	59	1	−4	21	4.56	+0.63	1.17	29		15	11	7	13	nw.	N. J. Water Policy Comm.
Rahway	Union	20	2							4.34		1.55	30	6.0	8	3	13	15	ne.	Louis Fontenelli.
Ridgefield	Bergen	80	25	28.8	−3.4	57	2	−8	21	4.88	+1.07	1.74	30	9.3	11	9	10	12	nw.	George P. Kirsten.
Runyon‡‡	Middlesex	18	19	27.5	−4.9	58	1	−6	22	4.30	+1.35	1.45	28		8	18	8	5	w.	N. J. Water Policy Comm.
Sandy Hook††	Monmouth	15	44	31.5	+3.7	57	2	2	20†	4.27	+0.23	1.49	29–30	3.1	14	7	7	17	w.	U. S. Coast Guard.
Somerville(near)	Somerset	385	59	29.2	−3.6	55	2	−4	21	4.97	+1.26	1.46	30	9.7	9	9	11	11	nw.	Richard H. Rogers.
Sussex	Sussex	450	47	26.0	−4.2	46	25	−9	21	5.91	+2.94	1.90	30	7.6	10	9	4	18	w.	Marshall Hunt.
Toms River	Ocean	33	21							4.65	+0.29	1.50	29	2.3	9					Robt. F. Snyder.
Trenton	Mercer	56	70	30.7	−3.7	58	2	−2	21	4.27	+0.92	1.56	27–28	7.1	15	5	12	14	nw.	U. S. Weather Bureau
Trenton No. 2	Mercer	105	12	30.6		57	2	−1	21	4.41		1.49	28	7.3	15					Edward H. Ristow.
Tuckerton	Ocean	23	49	33.5	−2.7	55	2	−2	21	3.36	−0.97	0.62	23	4.0	13	14	5	12	nw.	John H. Brown.
Vineland	Cumberland	110	62							3.74	+0.12				9	8	9	14	sw.	J. Davis Gauntt.
Westfield	Union	145	2							4.43		3.10	31	5.5	10	12	6	13	nw.	Town Engineer.
Woodcliff Lake‡‡	Bergen	103	24							4.98		1.27	30		11					Hackensack Water Co
Woodstown	Salem	16	8																	Geo. S. Keen
New York, N. Y.		10	72	31.6	−3.4	56	2	−3	20	4.31	+0.69	1.49	29–30	7.6	15	7	9	15	w.	U. S. Weather Bureau
Philadelphia, Pa		26	72	32.7	−3.6	57	2	2	20	4.22	+0.79	1.44	28–29	5.2	15	5	12	14	nw.	U. S. Weather Bureau
For the State				30.0	−3.8	67	30	−17	21	4.55	+1.00	3.10	31	7.0	11	10	7	14	w.	

For cooperative stations the departures from normal temperatures are computed from averages of entire period for stations having ten or more years of record. Departures of precipitation for stations with 15 or more years of record are computed from a normal or "standard mean", adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for period of record are used. †† Received too late to be included in the means. T, precipitation less than 0.01 inch rain or melted snow

Reference letters, ^{a}, ^{b}, ^{c}, etc., appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

† On other dates also. § Length of precipitation record; temperature record is much shorter. * Estimated

‡‡ Post-office address as follows:—Culvers Lake is Branchville; Indian Mills is R. D. 2, Vincentown; New Milford and Woodcliff Lake are Weehawken; Pleasantville, Canoe Brook and Runyon are Trenton; Charlotteburg is Newfoundland; Layton, is Port Jervis, N. Y.

W. B. O. Philadelphia-3-26-43-925

Daily Precipitation for December, 1942

Stations	Drainage Basin	Day of month																														Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Atlantic City[1]‡	Coast	.30	T.				T.			.44				.27	T.		.13	.11	T.	T.	.12		.40	.51		.02	.07	T.	.58	.68	.28		3.86
Barnegat City[4]	Coast	.34					.01			.37				.27			.06	.10		T.	T.		.43				.16	.02	.93	.44	.73		3.86
Belleplain	Tuckahoe		.35				.10			.59				.26			.07		.02		.25			1.02			.09		.20	.72	.93		4.60
Belmar	Coast	.12	.16				.01			.40	T.	T	T.	.26			.03	.13					.21	.03	T.	.01	.01	.01	1.28	.42	1.11		4.19
Belvidere	Delaware	.34	.80				.02			.16				.36			.13		.15	T.				.16			.04		1.34	.64	1.78		5.92
Berlin	Mullica	.80					.01			.03				T.								.03							.40	.60	1.00		2.87
Boonton[3]	Passaic		.86				T.				.14			.21	.07		.04		.11	.01				.11			T.		.60	.87	.92	1.04	5.00
Bridgeton	Delaware	T.	.95				.09			.35				.12					.09		.11			.76			.12		.35	.44	.75		4.13
Brooklawn	do		.57				T.			.22				T.			.24		.03					.26			.08		.88	.84	1.03	T.	4.15
Burlington	Delaware		.60				.03			.30				.28				.08						.25					1.20	.65	.65		4.04
Canoe Brook[3]	Passaic		.75								.18			.23	.04		.07		.14					.15					.68	.88	.88	.96	4.96
Cape May[2]‡	Coast	.17	.01				.06			.65		.02		.15			.17	.02			.16		.34	.21		.03	.01	T.	.05	.18	.64		2.87
Charlotteburg	Passaic	.10	1.00							.14				.33			.05		.20	.03				.09			.03		1.22	.37	1.88	.13	5.57
Chatham[3]	do		.76				T.			T.	.23			.32			.11	.26		T.				.16			.02		.69	.92	.85	1.14	5.46
Chatsworth	Coast		.28							.55				.28					.08					.36					.68	.70	1.00		3.93
Clayton	Delaware		.65				T.			.49									.30		.18	.12		.43					.91	.58	1.68		5.25
Culvers Lake	do	.23	.97							.04				.23			.03			.16					.03				1.33	.40	1.46		4.88
Dover	Passaic		.97				T.			.25				.50		.10		.25					.10						1.51	1.70	1.38		6.76
Egg Harbor City[2]	Mullica	.55					.09			.49				.22			.06	.16			.12		.24	.48		.04		.05	.90	.63	.81		4.84
Elizabeth	Coast	.02	.33				.01			.14				.33			.11		.22	T.				.21			.01		1.41	.45	1.60	.02	4.86
Flemington	Raritan		.66				.02			.28				.29		T	.06		.22	T.				.26			.03		1.26	.57	1.33	.04	5.02
Freehold	do		.24				.04			.38				.13			.03	.13					.02	.11					1.16	.61	1.12		3.97
Hammonton	Mullica		.52				.06			.43				.41			T.		.26	T.	.17			.34			.16		.75	.73	.85		4.68
Hightstown	Raritan	T.	.32				.02			.23	T.			.10		T.	.04		.07	T.				.20			.01	T.	1.20	.50	1.07		3.76
Indian Mills	Mullica		.30				.10			.39				.20			.01		.15		T.			.30			.10		.80	.62	.88	T.	3.85
Jersey City	Coast	.16	.23				T.			.13				.38			.08		.08	T.			T.	.14			.01		1.16	.48	1.48		4.31
Lakewood	Metedeconk		.60	T.			T.			.40				.18			T.		.16	T				.32					.84	.88	1.27		4.65
Lambertville	Delaware		T.				.08			.28				.18			T.		.10					.22			.02	T.	1.20	.76	1.14		3.98
Layton(near)	do	.12	1.20											.17			T.		.22	T.									.85	.30	1.35	T.	4.21
Little Falls[3]	Passaic		.85								.16			.25	.12		.07		.25	T.				.09			.02		.78	.68	1.26	1.02	5.55
Long Branch[2]‡	Coast	.28	.13				.01			.28				.21			.06	.11	.04	.02			.12	.03		.01	T.	.03	1.15	.87	1.43		4.28
Long Valley[3]	Raritan		.85								.40				.50		.10		.20										.80	.75	.83	1.05	5.48
Marlton	Delaware		.56				.07			.23				.18					.12	T.	T.			.28					.90	.85	1.12		4.31
Millville[2]‡	Maurice	.20	.02				06			.38				.39			.06	.06			.05		.62	.18		.04	.05	.04	.51	.42	.57		3.65
Moorestown[3]	Delaware		.57	T.	T.		.02			.15	.21				.09		.02		.13			T.		.24			.08		.25	1.40	1.11	.02	4.29
Morris Plains	Passaic	T.	.85				T.			.14				.25			.07		.14	T.			.15						1.29	.42	1.75	.10	5.16
Newark[1]	Coast	.31	.17				T.			.08				.37		.04	.02	.15	T.				.16	.02		T.	.01	.01	1 22	.44	1.37	T.	4.87
New Brunswick	Raritan	T.	.43				.02			.25				.19			.02		.13	T.				.15			T.		1.15	.55	1.25	T.	4 14
New Milford[2]‡	Hackensack		.60								.07			.20	.17		.04		.12					.07					.58	.81	1.32	1.03	5.01
Newton	Delaware	.14	.42				T.			.04			T.	.34			.05		.15	.01				.06				T.	1.32	.40	1.32	.03	4.28
Orange[2]‡	Passaic		.59							.10				.40			.06		.15					.12					1.14	.44	1.92	.07	4.99
Paterson[3]	Passaic		.15	.69			T.			.07				.21		.05	.01	.08	.02				.07	T.			.03	.02	1.05	.87	1.40	T.	4.72
Pemberton	Delaware		.30	T.			.05			.26		T.		.26			.03		.14	T.		T.		.28			.04		.85	.75	.88		3.84
Phillipsburg	do	.21	.60				.09			.12	T.			.26	T.	.05	.05	.24	.18	.06			.19	.06		T.	T.	.05	1.46	.84	1.38		5.84
Plainfield	Raritan	T.	.69				.01			.13				.21			.05		.19	T.			T.	.21			.01		1.48	.58	.92	T.	4.48
Plainsboro	Raritan		.65	T.			T.			.16				.11			.03		.10					.19					1.18	.70	1.19	.01	4.32
Pleasantville[3]	Coast		.36	T.			.02			.28	.13			.31	T.		.03	.03	.10	T.	T.	.07		.87			.12		.10	1.17	.41	.56	4.56
Rahway[3]‡	Rahway		.40				T.			.10				.27			T.		.15				.27	T.					.70	.90	1.55		4.34
Ridgefield[2]	Hackensack	.05	.34				T.			.08				.48			.07	T.	.11	T.				.07				.03	1.30	.61	1.74		4.88
Runyon	Coast		.46							.04				.21					.02										1.45	.86	1.21	.05	4.30
Sandy Hook[4]‡	Coast	.51	T.				.01			.10				.25		T.	.06	.10	.02	T.			.11	.01		.01	T.	.03	1.44	.31	1.31		4.27
Somerville(near)	Raritan		.75				.04			.20				.19			T.		.13					.24					1.40	.56	1.46		4.97
Sussex	Hudson	.30	90				T.			.10				.40			.01		.20	T.				.10			T.		1.60	.40	1.90	T.	5.91
Toms River	Coast	.05					.01					.05	.50	.25			T.	.20											.84	1.50	1.25		4.65
Trenton[1]‡	Delaware	.59	.06				T.			.24				.09		.01	T.	.18	.05				.21	.02		.03	.02	.08	1.53	.36	.80		4.27
Trenton No. 2[2]	Delaware	.52	.14				.03			.23				.23	T.	T.	.01	.14	T.	T.			.23	.01		.04	.01	.08	1.49	.34	.91		4.41
Tuckerton	Coast		.36				.10			.45				.22			T.		.15		.10			.62			.04	.06	.30	.45	.26	.31	3.36
Vineland[3]	Maurice		.30			.05				.45				.30							.05			.80							1.79		3.74
Westfield[3]‡	Rahway		.55				T.			T.	.14			.22			.05		.16	T.				.21								3.10	4.43
Woodcliff Lake[2]‡	Hackensack		.48								.11			.08	.22		.06		.12					.07					.62	.80	1 27	1.15	4.98
Woodstown	Delaware																																
New York, N.Y[1]‡	Coast	.27	.15				.02			.18				.37		.04	.05	.10	.02	T.			.20	T.		T.	.01	.04	1.22	.34	1.30		4.31
Phila., Pa[1]‡	Delaware	.54	.03				.05			.35				.12		T.	.03	.12	T.	T.	T.		.14	03		.05	.03	.04	1.41	.40	.88		4.22

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] Regular Weather Bureau station: precipitation is for 24-hour period, midnight to midnight. [4] Precipitation is from 1:30 a. m, to 1:30 a .m. [2] Precipitation for period from midnight to midnight. [3] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement. T. Trace, or less than 0.01 inch Time indicated here is 75th meridian, mean sun time *Amounts in italics are estimated.*

Daily Temperatures for December, 1942

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Atlantic City*	Maximum....	57	58	31	35	42	41	41	41	43	48	48	48	45	33	46	46	37	37	35	16	24	39	47	44	49	41	42	50	45	50	44	42.1
	Minimum	38	22	22	22	27	32	29	29	32	29	41	41	23	21	33	17	14	31	16	1	1	19	36	36	34	35	36	40	40	41	35	28.2
Barnegat City‡	Maximum....	57	49	31	34	41	41	41	41	42	44	44	46	42	38	41	40	36	36	34	15	24	38	45	44	40	41	42	49	44	50	44	40.5
	Minimum....	43	20	20	17	21	28	28	26	31	23	32	35	17	15	26	11	11	25	12	0	0	12	31	35	30	34	36	37	38	38	30	24.5
Belleplain	Maximum....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
	Minimum	22	24	19	8	19	27	20	22	30	20	27	26	25	15	24	25	4	26	25	1	9	5	31	29	22	33	27	37	39	39	32	23.0
Belvidere	Maximum....	45	48	30	31	35	41	38	40	31	31	35	42	33	27	34	30	24	33	30	17	22	30	38	40	44	37	30	37	37	41	42	34.6
	Minimum	27	29	16	17	24	25	25	19	24	19	29	28	25	11	24	19	2	18	11	−3	−9	0	29	33	31	29	19	29	34	34	30	21.0
Boonton§§	Maximum....	55	40	24	32	35	41	39	41	32	35	39	44	33	28	33	32	24	30	24	3	21	34	42	39	45	39	36	39	36	47	39	35.0
	Minimum	26	28	17	19	20	27	28	24	22	12	12	29	25	15	15	27	4	−1	10	−2	−4	−1	6	32	32	32	22	26	34	33	33	19.4
Bridgeton	Maximum....	53	55	43	34	39	38	39	42	38	38	45	45	40	35	37	39	33	35	35	24	22	35	45	43	47	42	41	49	47	60	46	40.8
	Minimum	28	28	20	17	23	30	25	25	31	23	30	30	26	19	25	26	10	28	24	3	−2	6	32	32	25	35	29	38	39	42	33	25.2
Burlington	Maximum....	50	39	28	32	34	38	33	41	36	34	35	45	40	29	36	35	30	34	31	25	23	36	46	49	50	42	47	48	63	57	64	40.0
	Minimum	31	21	25	21	25	27	25	26	29	17	28	26	27	17	25	25	12	27	21	3	−4	17	32	34	27	34	28	35	31	37	32	24.6
Canoe Brook§§	Maximum....	58	37	29	34	40	43	42	41	31	34	34	44	31	29	33	31	28	33	30	5	24	34	45	42	47	46	36	36	39	51	47	36.6
	Minimum	23	27	17	18	19	22	24	15	15	7	15	27	19	10	10	24	−8	−7	5	1	−9	−5	10	28	28	28	14	27	34	34	34	16.2
Cape May.*	Maximum....	56	41	34	37	40	38	38	43	42	46	47	47	34	35	47	33	40	38	34	11	30	39	45	43	48	42	45	48	50	49	43	40.8
	Minimum....	39	25	27	30	33	33	31	32	29	32	41	34	25	25	32	19	24	33	11	5	8	30	33	31	32	37	41	41	42	38	35	29.9
Charlotteburg	Maximum....	51	40	38	31	35	35	39	39	38	34	41	44	38	31	31	31	28	28	21	13	18	28	39	40	48	44	30	39	38	45	46	35.5
	Minimum	20	27	12	12	21	24	25	21	14	8	29	25	19	9	20	20	−2	16	7	−8	−8	−8	25	25	29	27	13	25	30	30	28	17.3
Chatsworth	Maximum....	50	58	32	32	39	40	38	40	38	38	42	45	40	29	38	40	32	33	34	24	25	27	45	42	47	42	38	53	45	58	47	39.7
	Minimum.. ..	25	32	18	13	14	21	21	18	25	19	29	29	25	17	20	30	2	23	22	2	−3	0	33	33	25	31	25	38	38	41	36	22.7
Clayton	Maximum....	52	58	49	42	39	39	39	40	38	36	42	45	43	35	37	40	32	34	34	28	27	34	45	44	47	46	44	51	54	60	....	41.8[a]
	Minimum....	30	32	20	20	23	29	22	26	31	18	31	30	29	20	27	29	12	29	27	6	2	11	34	35	27	36	30	39	38	39	....	26.1[a]
Dover	Maximum....	47	54	42	35	35	40	39	39	32	35	41	42	33	28	33	31	25	24	25	5	15	....	42	39	45	49	29	39	35	46	39	35.5[a]
	Minimum	25	15	14	15	24	26	25	21	21	12	30	28	22	11	24	8	0	19	5	0	−5	....	....	33	31	25	22	29	32	32	30	19.9[b]
Elizabeth	Maximum....	49	59	31	35	39	46	44	44	34	33	36	42	36	30	34	34	29	36	27	19	27	34	48	40	47	43	35	41	40	53	47	38.8
	Minimum	30	30	18	19	22	24	22	20	24	14	31	23	24	14	25	22	4	19	12	0	−4	+4	29	38	32	31	25	34	36	35	35	22.2
Flemington	Maximum....	45	56	33	32	32	43	37	39	39	33	38	45	41	28	35	35	28	36	33	22	24	31	41	39	49	43	40	41	41	45	45	37.7
	Minimum	27	33	17	18	20	26	27	21	24	12	27	23	25	13	24	24	2	21	7	0	−4	0	30	32	30	33	24	31	35	34	35	21.6
Freehold	Maximum....	50	58	31	32	37	41	40	41	35	33	37	44	37	28	35	36	30	32	32	18	21	35	44	41	44	42	38	45	40	55	45	38.0
	Minimum	28	24	16	16	21	25	25	21	30	12	28	30	23	13	23	20	6	22	17	−0	−5	7	30	32	29	27	27	34	35	36	34	22.2
Hammonton	Maximum....	54	65	36	35	41	44	44	46	41	42	48	51	44	38	38	45	32	36	35	24	23	32	46	43	48	43	39	53	57	60	46	43.2
	Minimum	25	25	19	14	19	28	20	21	29	19	30	30	26	17	22	25	7	25	18	0	−5	2	31	31	23	32	25	36	36	39	32	22.6
Hightstown	Maximum....	49	58	28	32	37	41	40	41	34	32	35	43	37	28	35	35	29	32	33	20	23	34	45	40	48	41	39	41	40	55	46	37.8
	Minimum	25	25	18	18	21	25	23	22	24	12	27	23	25	15	24	23	6	24	14	0	−3	6	30	32	29	30	25	33	35	35	35	22.1
Indian Mills(near)	Maximum....	50	58	29	34	40	40	38	40	34	36	40	45	36	29	37	38	30	34	34	19	23	35	45	42	48	42	38	53	44	58	45	39.2
	Minimum	25	25	18	9	15	26	20	18	28	16	29	29	25	17	22	24	2	27	19	2	−3	−1	32	33	24	33	27	38	37	41	35	20.3
Jersey City	Maximum....	50	59	31	35	39	44	42	42	38	37	40	47	44	29	35	37	29	34	29	17	24	37	46	42	45	41	39	42	40	52	43	39.1
	Minimum	34	27	18	20	25	30	31	26	29	26	35	35	27	16	28	22	9	23	17	−3	−3	14	33	36	37	25	24	37	35	35	35	25.4
Lakewood	Maximum....	50	59	33	34	38	43	40	41	40	37	40	45	41	35	37	37	30	35	34	21	21	38	46	45	47	42	39	54	44	56	47	40.3
	Minimum	27	33	18	19	22	29	25	23	25	19	30	29	25	17	25	25	9	26	19	2	−2	5	32	30	29	32	30	38	37	40	36	24.3
Lambertville	Maximum....	48	55	34	33	35	43	40	44	37	35	37	45	39	30	35	35	30	34	33	22	25	34	43	40	45	49	47	41	40	49	42	38.7
	Minimum	25	26	17	17	21	28	27	22	25	18	29	25	24	15	24	22	7	23	15	0	−2	5	31	33	29	29	35	32	36	35	35	22.9
Layton(near)	Maximum....	38	52	28	32	36	30	39	41	31	29	45	43	32	27	33	32	27	29	21	9	22	28	35	42	44	42	28	35	35	38	40	33.6
	Minimum	19	27	14	14	24	25	25	9	15	16	25	20	19	10	22	17	−7	7	−5	−8	−17	−5	27	32	30	20	12	26	21	31	29	15.9
Little Falls§§	Maximum....	59	37	29	34	38	43	41	43	33	36	42	50	30	30	34	28	28	33	26	14	24	34	44	51	58	48	37	39	39	50	40	37.8
	Minimum	25	33	17	18	21	28	24	22	22	15	18	28	24	14	17	27	3	11	13	−3	−5	0	21	33	32	30	22	29	35	33	33	20.7
Long Branch*	Maximum....	57	58	29	33	37	43	40	39	41	35	39	46	40	29	37	35	32	34	27	9	20	38	44	42	45	42	41	46	40	54	45	38.6
	Minimum	35	20	18	19	24	29	27	25	31	19	32	31	20	15	27	11	5	26	10	−1	−1	11	32	33	34	31	32	37	38	39	29	23.9
Long Valley§§	Maximum....	55	37	27	32	36	43	40	40	31	36	39	43	33	28	33	27	28	32	21	7	23	34	40	38	48	37	37	39	37	45	43	35.1
	Minimum	26	27	13	14	21	24	26	15	18	7	22	23	19	9	20	23	−8	18	6	−6	−12	−7	26	30	29	27	19	30	32	30	31	18.0
Moorestown*	Maximum....	46	37	27	32	35	40	36	37	32	32	34	44	34	28	35	31	28	33	33	12	22	34	43	41	46	42	38	45	41	58	42	36.1
	Minimum	28	15	18	19	21	27	28	23	21	15	25	25	21	17	25	12	10	26	12	2	−1	9	32	30	25	28	28	37	38	39	34	22.3
Newark*	Maximum....	55	59	30	33	38	43	40	40	36	35	37	45	37	29	35	34	29	31	25	9	23	35	45	40	45	39	38	40	37	52	42	37.3
	Minimum	32	19	20	17	23	28	27	26	28	19	30	30	19	16	27	10	7	22	9	−1	0	8	31	35	35	25	25	36	35	36	32	22.8
New Brunswick	Maximum....	48	59	37	32	35	42	39	40	37	32	30	44	37	29	35	34	29	32	30	22	21	34	43	40	48	45	35	41	40	51	46	37.6
	Minimum	30	31	18	19	25	21	25	25	26	20	29	27	21	14	25	23	6	19	13	−1	−8	3	31	34	36	32	24	33	36	35	36	23.0
Newton	Maximum....	49	53	25	30	35	38	38	40	34	30	35	43	32	27	32	29	27	28	29	11	23	29	38	40	47	36	28	35	34	40	38	34 0
	Minimum	23	18	14	14	20	22	24	19	21	15	27	25	19	9	20	11	−2	13	1	−9	−12	1	25	30	30	21	14	25	29	28	28	16.8
Paterson§§	Maximum....	58	41	29	35	37	42	40	43	34	36	40	47	33	30	34	33	29	33	25	7	24	35	45	41	49	41	37	41	39	49	40	37.0
	Minimum	29	31	15	16	17	24	25	23	23	17	17	29	27	13	13	25	3	3	13	−3	−5	−3	9	30	32	32	23	24	33	32	31	19.3
Pemberton	Maximum....	50	59	30	33	38	43	40	41	37	34	37	44	40	30	37	36	30	35	34	28	23	35	45	42	47	43	38	49	43	58	47	39.6
	Minimum	29	32	18	18	20	25	22	24	29	17	30	29	27	17	25	25	9	26	20	4	0	5	32	34	24	35	28	37	37	40	36	23.7
Phillipsburg	Maximum....	50	54	30	33	35	40	39	39	32	32	35	42	32	28	41	40	31	32	29	18	23	32	39	40	42	40	33	39	34	44	35	35.9
	Minimum	26	17	16	17	23	25	26	20	24	20	30	29	20	13	25	33	7	21	9	11	−2	3	30	32	31	26	22	31	33	34	22	21.7
Plainfield	Maximum....	48	58	28	34	37	44	43	41	33	34	41	46	33	29	35	33	29	35	26	13	24	34	45	41	48	41	38	40	38	51	43	37.5
	Minimum	29	24	17	18	20	29	25	25	24	17	30	29	27	15	25	19	6	25	13	0	−2	5	30	35	34	31	25	36	36	35	35	23.2
Pleasantville§§	Maximum....	59	44	32	36	41	40	40	41	40	44	48	49	38	32	44	36	36	36	34	27	23	41	46	43	49	43	51	52	55	55	45	41.9
	Minimum	....	39	20	11	15	30	19	25	30	19	28	28	27	18	24	32	3	22	22	10	−4	4	33	32	27	32	31	38	39	40	35	24.3[a]
Ridgefield*	Maximum ...	50	57	29	33	38	43	40	43	32	37	39	47	37	30	35	27	29	35	24	5	23	33	42	38	49	40	37	40	42	52	36	36.9
	Minimum	29	17	18	18	22	25	24	22	28	19	33	28	18	14	24	7	4	19	6	−4	−8	4	29	33	32	22	21	34	33	36	31	20.6
Runyon	Maximum....	58	50	28	30	32	39	38	36	31	32	33	38	30	29	34	32	25	32	28	18	15	33	38	40	44	44	39	40	39	50	46	35.5
	Minimum	20	28	16	12	20	19	19	25	28	9	25	30	29	12	24	16	−1	25	5	0	−4	−6	20	28	24	24	26	30	34	34	31	19.5
Sandy Hook‡	Maximum....	56	57	29	33	36	41	41	39	36	40	38	45	40	30	36	35	32	33	27	10	22	35	43	39	44	40	40	42	38	52	42	37.8
	Minimum	38	20	23	22	25	30	31	28	29	26	33	34	20	17	29	11	11	22	10	2	2	17	32	34	32	30	30	36	36	37	33	25.2
Somerville(near)	Maximum....	46	55	34	32	34	42	38	41	38	34	36	43	38	32	33	32	26	32	28	18	22	30	43	40	48	43	31	39	38	48	45	36.7
	Minimum	28	30	16	17	22	25	24	21	25	20	28	31	25	10	23	21	4	22	13	−2	−4	5	29	30	33	30	21	29	34	34	31	21.8
Sussex	Maximum....	36	44	27	31	36	40	39	41	32	35	36	44	32	29	33	31	26	30	24	15	22	29	40	41	45	38	30	36	35	37	40	34.0
	Minimum	23	26	15	15	24	25	27	18	19	15	28	28	22	11	22	24	−6	−5	−3	−5	−9	−5	28	32	30	25	16	27	32	31	30	18.0
Trenton*	Maximum....	54	58	28	33	35	41	39	39	36	36	38	45	37	29	35	33	30	34	27	11	22	34	44	41	47	42	38	44	38	55	41	37.6
	Minimum	32	18	20	19	23	30	30	25	29	19	30	30	21	16	28	12	12	27	11	−1	−2	12	32	35	33	27	27	37	36	37	33	23 8
Trenton No. 2*	Maximum....	52	57	29	33	37	42	41	41	35	34	35	45	36	30	36	35	30	33	33	10	23	34	45	41	47	43	38	43	38	58	42	37.8
	Minimum	29	18	18	19	22	28	28	25	30	18	29	30	22	16	27	14	10	26	10	0	−1	12	32	35	32	27	27	36	36	36	32	23.3
Tuckerton	Maximum....	52	55	42	35	42	42	42	40	40	42	45	48	43	32	40	42	32	38	35	32	27	34	50	41	46	47	40	50	41	52	48	41.8
	Minimum	30	38	20	18	19	30	22	24	30	22	30	32	28	18	26	27	9	28	27	5	−2	5	26	34	27	34	30	36	38	29	30	25.2
New York, N. Y.*	Maximum....	54	56	30	34	38	42	40	40	38	40	39	46	43	31	38	36	32	32	26	8	23	35	44	41	48	43	38	46	42	52	42	38.6
	Minimum	38	17	18	19	25	29	32	27	29	26	34	34	20	16	28	11	9	21	8	−3	−1	18	33	35	38	30	30	37	38	37	34	24.7
Philadelphia, Pa.*	Maximum....	54	57	28	34	36	42	40	41	36	39	42	46	37	30	37	37	30	35	34	15	24	34	46	41	48	42	38	45	40	56	43	38.9
	Minimum	34	18	20	21	26	31	32	30	32	25	34	36	23	20	30	16	15	30	15	2	3	18	33	35	35	29	29	37	37	38	36	26.5

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[a], [b], [c], etc., indicate, respectively, 1, 2, 3, etc., days missing from the record. §§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. * Midnight to Midnight. ‡ 1:30 a. m. to 1:30 a. m. Unless otherwise noted, temperatures are for the 24-hour period ending in late afternoon. Time indicated here is 75th meridian, mean sun time.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

24 NEW JERSEY SECTION,
A. E. WHITE
TRENTON, N. J.

VOL. XLVII. ANNUAL SUMMARY, 1942. No. 13.

GENERAL SUMMARY.

The year 1942 averaged slightly warmer and considerably wetter than normal. There have been ten years during the past fifty-eight, however, with more precipitation in New Jersey. Snowfall was much less than normal and a little more than half of the amount in 1941. Gale winds were strongest in February and March; a maximum of 60 miles an hour was registered at Long Branch on March 3d, and 59 miles at Atlantic City on March 29th. No tornado or hurricane visited the State and damage by wind was not heavy.

Though the temperature average was near normal, there was extremely cold weather in January and again in December. The January cold persisted for several days, and on the 11th, the lowest temperatures of record were registered in South Jersey. The severest cold occurred outside the principal fruit area, however, and the 1942 peach crop was little damaged. February was not unusual, but March, April, and May were decidedly warmer than normal. April was the fifth warmest and May was the fourth warmest of record in the State. Readings of 95° were registered on April 30th and on May 30th. Heat waves were of short duration, however, as was also the case throughout the summer months of June, July, and August, which were less extreme as to temperature than the spring months. September, October, and November were not unusual, but December was marked by a severe cold period from the 19th to 22d, during which occurred the coldest December weather generally since 1933.

The first six months of the year were all deficient in precipitation, except March. The accumulated deficiency for the first half of the year was 3.82 inches, while the last six months of the year accumulated an excess for the period of 8.62 inches. The crop season, March to September, had 4.57 inches above normal for the State. April was the driest of record excepting April, 1896, and with dry conditions continuing in May, truck crops suffered considerably from drought in South Jersey, but with copious rains during the remainder of the season, excellent crops were generally obtained in the State. July and August were unusually wet, and numerous monthly totals of rainfall above ten inches were recorded for both months, the highest being 14.65 at Canoe Brook, 13.40 at Chatham, and 13.86 at Morris Plains, all in August. Only three Augusts have been wetter in New Jersey since records were begun in 1885. The wet weather interfered with harvesting the commercial tomato crop, and caused considerable loss, from rot, to this crop in South Jersey. Harvest of late potatoes and root crops was seriously handicapped by wet weather and scarcity of help during the fall months. Some carrots and beets froze in the ground in November.

An unusual feature, notwithstanding the light annual snowfall, was a heavy snowfall on April 9th, in North Jersey, with several stations recording more than six inches

The Delaware River reached flood stage once during the year, on May 23-24th, when readings slightly above flood stage were recorded. Little damage occurred on the Delaware, but the same series of storms caused serious floods on the tributaries of the Delaware in Pennsylvania, with more than a score of lives lost and heavy property damage.

COMPARATIVE ANNUAL DATA FOR THE STATE

Year	Temperature			Precipitation		No. of days			
	Mean	Highest	Lowest	Average	Average Snowfall	.01 inch or more prec.	Clear	Partly cloudy	Cloudy
1885	50.4	100	−2	37.87	......	......	......	......	......
1886	50.8	98	−10	46.54	......	......	......	......	......
1887	51.3	102	−6	47.66	......	......	......	......	......
1888	50.2	99	−12	52.20	......	......	......	......	......
1889	52.8	95	−3	**63.33**	......	......	......	......	......
1890	53.1	101	0	49.34	......	......	......	......	......
1891	53.2	102	1	47.98	......	......	......	......	......
1892	51.5	105	−6	42.04	......	......	......	......	......
1893	50.7	103	−21	47.90	......	......	......	......	......
1894	53.0	106	−11	47.37	......	......	......	......	......
1895	51.5	109	−12	37.29	25.7	......	......	......	......
1896	52.1	105	−15	42.51	39.5	......	......	......	......
1897	52.0	102	−6	51.72	25.8	......	......	......	......
1898	53.1	107	−15	52.35	34.3	......	......	......	......
1899	52.1	103	−21	45.84	44.3	107	148	120	97
1900	53.8	104	−9	42.71	23.3	108	146	127	92
1901	51.3	107	−12	51.80	14.1	116	141	116	108
1902	51.9	100	−11	59.44	40.1	124	148	116	101
1903	51.7	100	−16	56.25	22.3	116	151	108	106
1904	**49.2**	100	**−34**	43.78	48.5	113	160	107	99
1905	51.2	102	−18	42.06	32.9	109	160	114	91
1906	52.7	98	−15	46.38	23.4	121	146	112	107
1907	50.3	96	−22	51.65	54.1	128	141	99	125
1908	52.6	106	−17	42.58	35.3	103	145	115	106
1909	51.9	100	−15	40.86	29.9	114	137	116	112
1910	51.8	99	−15	39.73	33.3	114	123	123	119
1911	52.6	104	−12	50.36	30.0	129	121	121	123
1912	51.3	100	−32	46.61	35.1	115	137	124	105
1913	54.0	100	−11	46.99	5.2	111	173	97	95
1914	51.2	99	−12	39.23	41.1	107	149	108	108
1915	52.4	98	3	47.37	39.4	114	145	115	105
1916	51.0	100	−18	38.17	49.6	121	159	100	107
1917	49.5	104	−21	40.80	40.4	117	166	96	103
1918	51.6	108	−23	37.65	25.3	108	167	96	102
1919	52.6	103	−11	52.10	10.9	131	161	80	124
1920	51.2	98	−17	51.87	33.4	127	158	94	114
1921	54.2	100	−5	38.16	23.0	115	167	90	108
1922	52.6	98	−11	41.57	30.8	119	169	90	106
1923	51.9	106	−14	40.38	39.8	112	172	92	101
1924	50.6	102	−6	44.17	24.3	102	177	96	93
1925	52.2	103	−20	42.15	26.8	111	165	97	103
1926	50.0	105	−11	44.41	32.2	122	157	95	113
1927	52.0	99	−12	49.68	13.7	125	156	90	119
1928	52.0	99	−15	46.22	21.5	125	158	97	111
1929	52.3	102	−9	42.96	16.0	118	162	87	116
1930	52.7	105	−14	**35.28**	15.6	99	172	89	104
1931	**54.4**	102	−9	37.07	8.6	106	169	82	114
1932	53.4	100	−10	46.80	16.3	111	169	95	112
1933	52.9	105	−18	49.80	21.5	121	158	88	119
1934	51.6	103	−26	45.43	32.7	117	169	85	111
1935	51.6	101	−31	42.32	36.2	118	155	89	121
1936	52.3	**110**	−17	47.57	22.1	119	163	87	116
1937	53.0	103	0	47.61	11.1	124	161	84	120
1938	53.3	100	−19	52.52	23.1	133	151	88	126
1939	53.0	99	−10	42.95	18.4	113	152	92	121
1940	50.1	104	−13	48.43	28.1	121	144	92	130
1941	53.0	105	−7	37.23	32.6	93	192	82	91
1942	52.6	105	−23	50.52	16.8	108	158	90	117
Period	52.0	110	−34	45.72	28.4	116	155	100	110

Climatological Data for the Year 1942

Station	Counties	Elevation, feet	Temperature (degrees Fahrenheit)						Precipitation (inches)							Number days with .01 or more	Sky			Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for the year	Greatest monthly	Month	Least monthly	Month	Total snowfall (unmelted)		Number clear days	Number partly cloudy days	Number cloudy days	
Atlantic City	Atlantic	8	69	54.8	99	July 19	1	Dec. 21	69	46.22	9.95	Aug	1.28	Apr.	6.3	120	114	114	137	w.
Barnegat City	Ocean	36	3	52.0	96	do. 20	0	Jan. 11†	3	40.88	6.79	do.	0.96	May	4.0	97	......	......	......	sw.
Belleplain	Cape May	49	48	......	98	do. 19	−22	do. 11	48	46.36	10.53	do.	0.77	Apr.	7.7	88	193	86	86	w
Belmar	Monmouth	19	......	......	......	......	......	......	1	49.04	9.92	July	1.34	do.	8.0	126	99	115	151	se.
Belvidere	Warren	289	51	52.2	98	July 19	−11	Jan. 11	51	57.94	9.37	do.	1.71	do.	17.9	115	193	62	110	......
Berlin	Camden	70	......	......	......	......	......	......	1	47.06	10.04	do.	1.51	do.	......	67	232	69	64	......
Boonton	Morris	280	34	49.9	93	July 19	−11	Jan. 11	52	57.71	11.28	Aug.	1.33	do.	......	119	177	19	169	ne.
Bridgeton	Cumberland	30	54	55.4	98	do. 19	− 5	do. 11	59	42.00	7.70	do.	0.85	do.	7.9	100	221	53	91	nw.
Brooklawn	Camden	30	......	......	......	......	......	......	1	43.48	10.21	do.	1.18	do.	7.7	84	......	......	......	......
Burlington	Burlington	12	30	......	105	July 19	− 4	Dec. 21	56	42.77	5.48	do.	2.34	do.	11.3	96	214	64	87	nw.
Canoe Brook	Essex	180	12	49.4	97	do. 20†	−14	Jan. 11	12	63.36	14.65	do.	1.57	do.	......	120	178	60	127	nw.
Cape May	Cape May	17	54	55.0	96	do. 19	5	Dec. 20	54	39.25	7.77	do	1.39	Nov.	3.2	115	114	127	124	nw.
Charlotteburg	Passaic	760	50	49.4	95	do. 19	−18	Jan. 11	50	59.29	8.34	Sept.	1.53	Apr.	34.0	117	144	66	155	w.
Chatham	Morris	185	......	......	......	......	......	......	38	63.08	13.40	Aug.	1.47	do.	......	128	155	116	94	......
Chatsworth	Burlington	90	2	......	97	July 19	−20	Jan. 11	2	49.36	8.13	do.	1.23	do.	8.8	80	132	158	75	w.
Clayton	Gloucester	120	29	......	96	do. 19	−12	do. 11	29	48.89	6.87	do.	1.22	May	......	79	123	49	193	n.
Culvers Lake	Sussex	760	......	......	......	......	......	......	41	53.10	7.57	July	1.31	Apr.	28.8	106	......	......	......	......
Dover	Morris	600	58	......	92	July 19	−11	Jan. 11	58	60.04	8.88	Aug.	1.29	do.	30.5	111	68	148	149	......
Egg Harbor City	Atlantic	63	......	......	......	......	......	......	20	50.27	8.17	do	1.53	May	4.1	111	226	63	76	ne.
Elizabeth	Union	34	58	......	100	July 13	− 4	Dec. 21	63	58.07	10.46	do.	1.55	Apr.	13.2	125	189	61	115	w.
Flemington	Hunterdon	140	45	53.1	98	do. 19	−15	Jan. 11	56	51.40	9.22	do.	1.26	do.	23.3	124	210	60	95	nw.
Freehold	Monmouth	194	11	52.9	97	do. 19	− 5	do. 11†	38	46.09	6.90	Mar.	1.57	do.	18.0	115	208	82	75	w.
Hammonton	Atlantic	95	10	......	98	do. 19	−13	do. 11	36	48.01	8.45	Aug.	0.58	do.	11.9	106	183	81	101	sw.
Hightstown	Mercer	110	46	52.6	98	do. 19	− 6	do. 11	49	41.05	7.32	July	1.22	do.	21.9	116	154	112	99	nw.
Indian Mills	Burlington	100	53	53.3	98	do. 19	−16	do. 11	52	42.63	7.92	do.	1.39	May	13.2	111	130	143	94	w.
Jersey City	Hudson	81	44	54.8	97	do. 19	− 3	Dec. 20†	44	50.78	9.16	Aug.	1.32	Apr.	18.1	113	117	104	144	nw.
Lakewood	Ocean	54	38	53.5	97	do. 19	−12	Jan. 11	38	55.78	8.57	July	1.60	do.	9.0	112	114	102	149	nw.
Lambertsville	Hunterdon	75	55	53.1	97	do. 19	− 9	do. 11	55	45.03	8.82	Aug.	1.39	do.	15.7	113	194	87	84	nw.
Layton [near]	Sussex	480	41	48.6	91	do 14†	−21	do 11	41	53.59	7.89	July	0.92	Feb.	30.2	121	134	46	185	sw.
Little Falls	Passaic	157	28	52.2	98	Aug. 1	− 5	do. 11†	39	56.47	10.19	Aug.	1.34	Apr.	23.9	128	168	101	96	nw.
Long Branch	Monmouth	34	34	52.8	94	May 30†	− 1	do. 11†	34	53.01	12.28	July	1.48	do.	12.7	127	115	117	133	w.
Long Valley	Morris	660	12	49.1	94	July 19	−17	do. 11	12	63.58	12.07	Aug.	1.26	Apr.	26.4	113	204	80	81	w.
Marlton	Burlington	90	......	......	......	......	......	......	1	45.56	9.64	July	1.60	do.	15.9	95	167	94	104	sw.
Millville	Cumberland	60	......	......	......	......	......	......	2	43.99	6.84	Aug.	0.98	do.	2.3	110	145	104	116	......
Moorestown	Burlington	62	79	53.0	95	do. 19	− 3	Jan. 11	79	43.38	7.48	do.	1.24	June	11.3	105	118	114	133	nw.
Morris Plains	Morris	500	......	......	......	......	......	......	1	62.09	13.86	do.	1.53	Apr.	24.2	115	199	72	94	......
Newark	Essex	10	43	53.0	98	do. 19	− 1	Dec. 20	88	49.27	8.46	do.	1.15	do.	19.6	125	92	117	156	sw.
New Brunswick	Middlesex	86	85	52.8	95	do. 19†	− 3	do. 21	89	50.28	6.96	July	1.24	do.	13.9	114	165	83	117	sw.
New Milford	Bergen	12	......	......	......	......	......	......	24	53.64	10.66	Aug.	1.38	do.	......	113	......	......	......	......
Newton	Sussex	769	59	49.4	94	do. 19	−12	Dec. 21	56	53.70	8.86	do.	1.56	do.	38.1	131	119	84	162	sw.
Orange	Essex	140	......	......	......	......	......	......	2	60.31	11.85	do.	1.38	do.	16.2	116	......	......	......	......
Paterson	Passaic	95	72	51.7	98	July 19	− 5	Dec. 21	71	52.65	10.84	do.	0.86	do.	18.2	122	158	112	95	w.
Pemberton	Burlington	55	13	54.8	98	do. 19	− 9	Jan. 11	13	40.16	8.65	July	0.98	Sept.	14.6	122	176	71	118	w.
Phillipsburg	Warren	182	51	51.6	98	do. 19	−12	do. 11	59	53.37	10.28	do.	1.72	Apr.	21.6	127	146	99	120	......
Plainfield	Union	120	51	52.9	97	do. 19	− 2	do. 11†	54	60.27	11.74	Aug.	1.51	do.	19.1	116	97	130	138	nw.
Plainsboro	Middlesex	110	......	......	......	......	......	......	1	46.69	8.53	July	1.35	do.	14.5	94	......	......	......	......
Pleasantville	Atlantic	8	19	53.2	99	July 19	−23	Jan. 11	44	48.68	9.61	Aug.	1.18	Apr.	......	113	209	68	88	nw.
Rahway	Union	20	......	......	......	......	......	......	3	50.64	9.04	do.	1.30	do.	......	78	......	......	......	nw.
Ridgefield	Bergen	80	25	52.2	98	July 19	− 8	Jan. 21	25	54.57	10.15	do.	1.34	do.	23.9	114	127	125	113	nw.
Runyon	Middlesex	18	18	50.7	97	do. 19	−18	do. 11	19	50.13	7.27	July	1.37	do.	......	95	207	94	64	w.
Sandy Hook	Monmouth	15	44	53.0	93	do. 20	2	Dec. 20†	44	43.67	8.95	do.	1.24	do.	7.6	120	105	103	157	w.
Somerville [near]	Somerset	385	56	52.1	95	do. 19	− 4	Jan. 8†	59	56.04	10.15	Aug.	1.47	do.	25.7	120	174	78	113	nw.
Sussex	Sussex	450	44	50.1	93	do. 14	−14	do. 11	47	63.25	8.52	do.	2.34	do.	22.0	138	169	68	128	w.
Toms River	Ocean	38	......	......	......	......	......	......	21	51.35	7.20	July	1.56	do.	6.9	91	......	......	......	......
Trenton	Mercer	56	70	53.7	96	July 19	− 2	Dec. 21	70	36.91	5.47	Mar.	1.24	June	15.6	118	104	110	151	nw.
Trenton No. 2	Mercer	105	6	53.5	97	do. 19	− 1	do. 21	12	43.13	6.58	Aug.	1.33	Apr.	18.1	115	......	......	......	......
Tuckerton	Ocean	23	44	54.7	99	do. 19	−12	Jan. 11	49	43.83	10.69	do.	1.33	do.	7.0	125	202	57	106	nw.
Westfield	Union	145	......	......	......	......	......	......	3	54.62	10.17	do.	1.52	do.	12.5	97	195	63	107	sw.
Woodcliff Lake	Bergen	103	......	......	......	......	......	......	24	52.82	9.61	do.	1.20	do.	......	105	......	......	......	......
New York, N. Y.	......	10	72	53.6	93	July 20	− 3	Dec. 20	72	49.56	7.01	Aug.	1.40	Apr.	17.4	130	123	103	139	nw.
Philadelphia, Pa.	......	26	72	55.4	98	do. 19	2	do. 20	72	41.16	6.74	July	1.35	do.	15.0	114	108	132	125	nw.
For the State.	......	......	......	52.6	105	July 19	−23	Jan. 11	......	50.52	14.65	Aug.	0.58	Apr.	16.8	108	158	90	117	nw.

† Also on other dates.

Monthly and Annual Precipitation for the Year 1942, with Departures from the Normal

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure.	Precipitation.	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Atlantic City	2.92	-0.57	2.22	-1.14	5.22	+1.62	1.28	-1.71	1.45	-1.60	1.46	-1.58	5.44	+1.52	9.95	+5.46	3.62	+0.97	6.59	+3.39	2.21	-0.61	3.86	-0.08	46.22	+5.55
Barnegat City	2.69	......	2.09	......	5.87	......	1.66	......	0.96	......	1.36	......	3.90	......	6.79	......	3.58	......	3.95	......	4.17	......	3.86	......	40.88	......
Belleplain	3.82	+..28	2.51	-0.82	4.88	+1.12	0.77	-2.93	1.80	-1.72	2.03	-1.41	6.26	+1.95	10.53	+5.93	3.17	-0.21	2.87	-0.03	3.12	+0.58	4.60	+0.60	46.36	+ 3.34
Belmar	2.82	......	2.98	......	6.17	......	1.34	......	1.77	......	2.09	......	9.92	......	4.93	......	5.93	......	2.46	......	4.44	......	4.19	......	49.04	......
Belvidere	2.52	-1.24	2.48	-1.08	4.73	+1.04	1.71	-2.05	5.30	+1.76	4.80	+0.80	9.37	+4.83	7.02	+2.45	7.01	+3.27	3.07	-0.75	4.01	+0.82	5.92	+2.01	57.94	+11.86
Berlin	3.76	......	2.91	......	5.95	......	1.51	......	1.90	......	2.48	......	10.04	......	6.28	......	3.13	......	3.22	......	3.01	......	2.87	......	47.06	......
Boonton	2.30	-1.08	3.57	+0.27	6.26	+2.62	1.33	-2.57	2.81	-0.89	3.62	-0.34	6.60	+1.96	11.28	+6.59	6.88	+3.03	3.53	-0.38	4.53	+1.52	5.00	+1.30	57.71	+12.03
Bridgeton	3.14	-0.31	2.05	-1.17	5.27	+1.43	0.85	-2.75	1.89	-1.38	1.69	-2.23	4.42	-0.03	7.70	+3.03	4.06	+0.75	4.76	+1.66	2.04	-0.56	4.13	+0.43	42.00	-1.13
Brooklawn	2.40	......	2.44	......	4.64	......	1.18	......	1.64	......	1.99	......	6.22	......	10.21	......	2.19	......	2.73	......	3.69	......	4.15	......	43.38	......
Burlington	3.14	-0.43	2.61	-0.71	5.12	+1.41	2.34	-1.40	2.52	-0.99	3.23	-0.46	4.59	-0.35	5.48	-0.30	3.02	-0.54	3.81	+0.32	2.87	-0.11	4.04	+0.09	42.77	-3.47
Canoe Brook	3.19	-0.68	3.68	+0.83	6.48	+1.92	1.57	-2.26	3.20	-0.15	3.28	-1.22	8.67	+4.23	14.65	+9.00	6.34	+1.49	3.16	-0.28	4.18	+0.59	4.96	+1.79	63.36	+14.26
Cape May	2.68	-0.69	2.07	-1.22	5.47	+1.68	1.73	-1.26	1.90	-1.09	1.67	-1.37	6.67	+2.29	7.77	+3.51	2.47	-0.53	3.16	-0.14	1.39	-1.82	2.87	-0.53	39.25	-0.12
Charlotteburg	3.42	-0.20	2.84	-0.85	5.89	+1.90	1.53	-2.79	3.95	+0.07	3.03	-1.43	7.46	+2.88	7.87	+3.37	8.34	+4.19	3.72	-0.69	5.67	+2.05	5.57	+1.57	59.29	+10.07
Chatham	2.91	-1.06	4.62	+0.75	5.65	+1.61	1.47	-2.75	3.27	-0.65	3.75	-0.21	7.90	+2.96	13.40	+8.75	6.95	+2.73	3.04	-1.07	4.66	+1.22	5.46	+1.29	63.08	+13.57
Chatsworth	3.16	......	2.75	......	6.71	......	1.23	......	1.40	......	3.98	......	7.54	......	8.13	......	3.31	......	3.50	......	3.72	......	3.93	......	49.36	......
Clayton	2.81	-0.76	1.45	-1.89	6.03	+2.51	1.37	-2.24	1.22	-1.82	5.38	+1.61	6.83	+2.27	6.87	+2.05	2.69	-0.79	5.46	+2.30	3.53	+0.81	5.25	+1.56	48.89	+5.64
Culvers Lake	3.13	+0.09	1.98	-0.98	4.96	+1.64	1.31	-2.22	4.17	+0.34	4.57	+0.13	7.57	+2.79	7.14	+2.49	5.33	+1.31	3.39	-0.22	4.67	+1.57	4.88	+1.54	53.10	+8.48
Dover	3.05	-0.95	2.91	-0.86	6.12	+2.10	1.29	-2.77	3.16	-0.47	3.53	-0.90	8.30	+3.09	8.88	+4.38	6.75	+2.67	4.05	-0.09	5.24	+1.69	6.76	+2.58	60.04	+10.47
Egg Harbor City	2.58	-1.08	3.23	-0.97	6.92	+2.52	1.63	-2.03	1.53	-2.68	3.68	+0.17	6.76	+1.77	8.17	+3.84	3.18	-1.10	4.00	-0.08	3.75	+0.05	4.84	+1.05	50.27	+1.46
Elizabeth	4.30	+0.60	3.49	-0.37	6.57	+2.61	1.55	-2.29	2.84	-0.80	5.03	+1.43	5.94	+1.22	10.46	+6.13	5.68	+2.07	2.79	-1.16	4.56	+1.64	4.86	+0.94	58.07	+12.02
Flemington	2.50	-0.97	2.67	-0.65	5.10	+1.44	1.26	-2.36	1.45	-2.07	3.42	-0.19	8.99	+4.14	9.22	+4.70	5.27	+1.63	2.87	-0.64	3.63	+0.68	5.02	+1.36	51.40	+7.07
Freehold	2.86	-1.16	2.98	-0.96	6.90	+2.42	1.57	-2.14	2.23	-1.49	2.58	-1.17	5.92	+1.17	3.65	-0.98	4.44	+0.06	2.31	-1.37	6.68	+2.85	3.97	+0.39	46.09	-2.38
Hammonton	2.81	-0.93	3.27	+0.03	6.39	+2.47	0.50	-3.20	1.80	-1.81	4.33	+0.57	6.42	+1.88	8.45	+3.57	2.58	-1.63	3.96	+0.11	2.74	-0.30	4.68	+0.70	48.01	+1.46
Hightstown	2.94	-0.53	2.30	-1.09	5.09	+1.31	1.22	-2.67	1.55	-2.06	2.51	-1.25	7.32	+2.40	3.91	-1.11	3.32	+0.11	3.62	-0.08	3.51	+0.60	3.76	+0.22	41.05	-4.15
Indian Mills	2.60	-1.37	2.81	-0.86	5.71	+1.63	1.50	-2.30	1.39	-1.95	1.50	-2.43	7.92	+3.17	5.72	+0.19	3.39	-0.10	3.41	-0.28	2.83	-0.17	3.85	-0.26	42.63	-4.73
Jersey City	2.49	-1.21	2.57	-1.36	6.46	+2.44	1.32	-2.43	2.06	-1.39	4.23	+0.45	6.69	+2.34	9.16	+4.83	4.54	+1.14	2.25	-1.85	4.70	+1.70	4.31	+0.66	50.78	+5.32
Lakewood	3.15	-0.85	3.35	-0.51	6.06	+1.89	1.60	-2.35	3.57	-0.21	2.25	-1.76	8.57	+3.57	5.75	+0.56	6.49	+3.45	3.24	-0.56	7.10	+4.01	4.65	+0.46	55.78	+7.67
Lambertville [near]	2.55	-0.91	2.33	-1.05	5.29	+1.50	1.39	-2.41	1.84	-1.82	2.59	-1.17	6.88	+2.24	8.52	+3.72	2.45	-0.91	2.73	-0.82	4.48	+1.48	3.98	+0.28	45.03	+0.13
Layton [near]	2.75	-0.23	0.92	-2.07	4.26	+0.97	1.30	-2.19	4.23	+1.09	6.98	+2.45	7.89	+3.49	4.95	+0.86	5.99	+2.13	4.90	+1.15	5.21	+2.14	4.21	+0.84	53.59	+10.63
Little Falls	2.75	-0.89	3.88	+0.08	5.48	+1.71	1.34	-2.82	3.22	-0.72	3.11	-0.91	6.56	+1.84	10.19	+5.23	6.25	+2.57	3.22	-1.37	4.89	+1.49	5.55	+2.11	56.47	+8.32
Long Branch	3.37	-0.77	2.49	-1.64	6.85	+2.68	1.48	-2.79	2.45	-1.40	2.43	-1.43	12.28	+6.43	5.42	-0.06	5.52	+2.36	2.44	-1.95	4.00	+0.44	4.28	+0.13	53.01	+1.97
Long Valley	2.26	-0.91	3.38	+0.56	5.34	+1.47	1.26	-2.16	3.62	+0.28	3.81	-0.70	8.01	+2.70	12.07	+6.73	9.31	+4.74	3.72	+0.37	5.52	+1.26	5.28	+2.04	63.58	+16.38
Marlton	2.71	......	2.46	......	5.13	......	1.60	......	1.81	......	3.55	......	9.64	......	4.32	......	2.89	......	3.35	......	3.79	......	4.31	......	45.56	......
Millville	2.81	......	2.71	......	5.71	......	0.98	......	1.84	......	2.23	......	6.83	......	6.84	......	2.72	......	4.75	......	2.92	......	3.65	......	43.99	......
Moorestown	2.50	-0.84	2.78	-0.47	6.02	+2.34	2.02	-1.63	2.24	-1.28	1.24	-2.54	6.00	+1.30	7.48	+2.11	1.78	-1.75	3.20	-0.28	3.83	+0.92	4.29	+0.52	43.38	-1.60
Morris Plains	3.15	......	3.20	......	6.57	......	1.53	......	2.61	......	3.25	......	6.49	......	13.86	......	7.23	......	4.19	......	4.85	......	5.16	......	62.09	......
Newark	3.27	-0.39	2.49	-0.96	5.54	+1.79	1.15	-2.73	2.43	-1.44	3.39	-1.13	5.86	+0.91	8.46	+3.91	5.55	+1.86	2.43	-1.93	4.33	+1.24	4.37	+0.41	49.27	+1.54
New Brunswick	3.12	-0.28	2.84	-0.53	5.92	+2.36	1.24	-2.37	2.29	-1.37	3.60	-0.08	6.96	+1.73	6.69	+1.29	5.54	+2.18	2.75	-1.07	5.19	+2.35	4.14	+0.60	50.28	+4.81
New Milford	3.27	-0.19	2.35	-0.72	6.23	+2.56	1.38	-2.34	3.00	-0.44	2.36	-1.66	7.79	+3.26	10.66	+6.30	4.13	-0.22	3.07	-0.02	4.39	+1.28	5.01	+2.05	53.64	+9.86
Newton	2.32	-0.98	2.21	-0.94	3.75	+0.36	1.56	-1.97	4.20	+0.59	3.62	-0.86	7.44	+2.61	8.86	+4.51	6.08	+2.32	3.95	+0.30	5.43	+2.36	4.28	+0.87	53.70	+9.17
North Merchantville	3.19	......	2.16	......	5.10	......	1.32	......	2.03	......	2.79	......	8.47	......	......	......	......	......	......	......	......	......	......	......	......	......
Orange	3.60	......	2.84	......	6.41	......	1.38	......	3.18	......	2.88	......	10.57	......	11.85	......	5.61	......	2.77	......	4.23	......	4.99	......	60.31	......
Paterson	2.93	-0.62	2.13	-1.85	4.87	+0.92	0.86	-2.97	3.49	-0.28	3.27	-0.43	7.18	+2.88	10.84	+6.21	5.55	+1.94	3.07	-1.04	3.74	+0.62	4.72	+0.87	52.65	+6.25
Pemberton	2.79	-0.69	2.34	-0.42	5.28	+1.80	1.34	-1.76	1.15	-1.97	1.58	-3.02	8.65	+4.39	4.59	-0.63	0.98	-3.20	3.45	+0.12	4.17	+1.07	3.84	+1.32	40.16	-2.99
Phillipsburg	2.52	-0.86	1.93	-1.38	4.60	+1.26	1.72	-1.67	4.21	+0.90	3.53	-0.20	10.28	+5.80	6.77	+2.37	4.83	+1.34	3.41	-0.19	3.73	+0.90	5.84	+2.41	53.37	+10.68
Plainfield	3.44	-0.21	2.72	-1.03	6.31	+2.35	1.51	-2.28	3.12	-0.61	3.71	-0.16	8.45	+2.90	11.74	+6.64	8.15	+4.12	2.65	-1.43	3.99	+0.94	4.48	+0.61	60.27	+11.84
Plainsboro	3.54	......	2.40	......	6.09	......	1.35	......	2.36	......	2.04	......	8.53	......	5.45	......	3.07	......	3.15	......	4.39	......	4.32	......	46.69	......
Pleasantville	2.65	-0.55	3.09	+0.19	5.58	+2.17	1.18	-2.24	1.80	-1.38	2.51	-0.99	5.55	+1.49	9.61	+4.95	3.95	+0.98	5.20	+1.87	3.00	+0.18	4.56	+0.63	48.68	+7.30
Rahway	2.90	......	2.73	......	5.83	......	1.30	......	2.05	......	2.68	......	8.92	......	9.04	......	4.88	......	2.41	......	3.56	......	4.34	......	50.64	......
Ridgefield	3.44	-0.22	2.56	-1.34	6.02	+1.95	1.34	-2.11	2.47	-1.00	3.64	-0.50	8.65	+3.83	10.15	+5.24	3.98	+0.84	2.78	-1.45	4.66	+1.82	4.88	+1.07	54.57	+8.13
Runyon	3.05	-0.56	2.83	-0.45	6.13	+2.81	1.37	-2.25	2.21	-1.21	5.46	+1.12	7.27	+3.13	4.60	-0.28	4.47	+0.47	2.91	-0.87	5.53	+2.50	4.30	+1.35	50.13	+5.76
Sandy Hook	2.44	-1.52	2.77	-0.98	4.75	+0.71	1.24	-2.38	2.16	-1.56	3.52	-0.26	8.95	+3.83	4.90	-0.08	2.76	-0.67	2.25	-1.53	3.66	+0.41	4.27	+0.23	43.67	-3.85
Somerville [near]	2.80	-0.72	2.63	-0.82	6.18	+2.51	1.47	-2.19	2.23	-1.31	4.49	+0.98	5.57	+0.33	10.15	+5.23	8.02	+4.30	3.31	-0.27	4.16	+1.19	5.03	+1.32	56.04	+10.55
Sussex	3.59	+0.62	3.20	+0.24	7.27	+4.12	2.34	-1.19	3.91	+0.48	5.18	+1.10	7.33	+3.51	8.52	+4.52	5.56	+1.99	3.79	+0.43	6.65	+3.83	5.91	+2.94	63.25	+22.59
Toms River	3.03	-0.89	3.11	-0.99	5.36	+0.96	1.56	-2.35	2.80	-1.55	4.42	+0.74	7.20	+1.65	7.18	+1.57	3.85	-0.43	2.76	-1.30	5.42	+1.90	4.66	+0.30	51.35	-0.39
Trenton	2.82	-0.49	2.08	-1.19	5.47	+2.07	1.27	-1.67	1.95	-1.13	1.24	-1.85	4.35	+0.41	4.69	-0.06	2.09	-1.31	3.51	+0.73	3.17	+0.44	4.27	+0.92	36.91	-3.13
Trenton No. 2	3.50	......	2.42	......	6.26	......	1.33	......	2.06	......	2.10		4.25	......	6.58	......	2.69	......	3.93	......	3.60	......	4.41	......	43.13	......
Tuckerton	3.05	-0.62	2.83	-0.66	5.70	+1.57	1.33	-2.44	1.16	-2.28	2.11	-1.62	5.04	+1.06	10.69	+5.39	2.64	-0.62	3.60	-0.02	2.32	-0.68	3.36	-0.97	43.83	-1.89
Vineland	2.76	-0.76	3.14	-0.14	*5.80	+2.86	*0.95	-2.65	1.10	-2.10	2.80	-0.82	4.25	-0.28	7.35	+2.86	2.24	-1.21	4.66	+1.62	2.97	+0.31	3.74	+0.12	41.76	- 0.79
Westfield	2.74	......	2.78	......	6.60	......	1.52	......	2.46	......	3.96	......	7.18	......	10.17	......	6.56	......	2.66	......	3.56	......	4.43	......	54.62	......
Woodcliff Lake	3.78	+0.24	2.35	-0.79	6.71	+3.16	1.20	-2.60	2.84	-0.62	2.72	-1.08	7.30	+3.37	9.61	+5.46	4.16	-0.01	2.98	-0.06	4.19	+1.10	4.98	+1.97	52.82	+10.14
Woodstown	2.61	......	2.10	......	4.77	......	1.10	......	1.97	......	1.22	......	7.45	......	5.91	......	2.50	......	......	......	......	......	......	......	......	......
New York, N. Y.	3.17	-0.49	2.94	-0.88	6.76	+3.12	1.40	-1.83	1.84	-1.40	5.69	+2.36	6.24	+2.00	7.01	+2.68	3.82	+0.43	1.91	-1.62	4.47	+1.52	4.31	+0.69	49.56	+6.57
Philadelphia, Pa.	2.34	-0.96	2.30	-1.02	4.84	+1.45	1.35	-1.70	1.82	-1.44	2.13	-1.11	6.74	+2.59	6.55	+1.93	1.68	-1.46	3.40	+0.59	3.79	+1.09	4.22	+0.79	41.16	+0.75
For The State	2.98	-0.67	2.69	-0.86	5.73	+1.96	1.39	-2.26	2.41	-1.27	3.11	-0.72	7.30	+2.61	8.24	+3.49	4.55	+0.76	3.43	-0.18	4.14	+0.94	4.55	+1.00	50.52	+4.80

* Interpolated from surrounding stations.

Monthly and Annual Mean Temperatures for the Year 1942, with Departures from the Normal

Stations.	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Atlantic City	33.7	+1.2	32.2	−1.4	43.4	+4.8	51.7	+3.9	62.4	+4.3	70.4	+3.8	76.3	+4.2	73.4	+0.9	69.4	+2.6	59.8	+2.9	49.6	+4.0	35.2	−1.2	54.8	+2.5
Barnegat City	30.2	......	30.0	......	40.8	......	48.6	......	59.2	......	68.0	......	73.8	......	70.2	......	66.5	......	56.7	......	47.0	......	32.4	......	52.0	......
Belleplain	29.2	−4.4	30.1	−2.6	......	......	53.2	+2.9	66.0	+5.2	......	......	76.4	+2.7	72.7	+0.3	......	......	......	......	......	......	......	......	......	......
Belvidere	27.4	−0.6	29.1	+0.9	42.0	+3.5	54.2	+4.5	65.0	+4.2	70.2	+0.8	74.4	+0.7	71.6	+0.3	66.1	+1.0	55.6	+0.7	42.8	+1.4	27.8	−3.3	52.2	+1.2
Boonton	24.3	−3.6	26.9	−1.1	40.2	+4.3	51.0	+3.0	62.0	+3.2	67.7	+0.2	72.3	+0.1	69.4	−1.1	63.6	+0.1	53.6	+1.4	41.5	+0.1	27.2	−3.1	49.9	+0.3
Bridgeton	31.7	−2.1	32.3	−1.7	45.0	+2.6	55.8	+3.6	67.2	+3.8	73.4	+1.3	77.6	+1.1	74.0	−0.7	69.4	+1.1	58.4	+1.5	46.7	+1.0	33.0	−3.2	55.4	+0.7
Burlington	29.7	−3.5	32.0	−1.2	42.4	+0.1	55.1	+3.2	66.4	+3.6	70.3	−1.1	76.6	+0.7	......	......	68.8	+1.1	57.6	+0.4	46.0	+0.3	32.3	−3.1	......	......
Canoe Brook	25.0	−4.4	27.5	−1.1	39.4	+2.4	50.2	+3.3	61.0	+2.3	65.8	−1.5	71.7	−0.4	68.8	−1.9	62.3	−1.5	53.7	+1.3	40.6	−1.1	26.4	−5.3	49.4	−0.7
Cape May	32.8	−1.3	32.4	−1.7	43.1	+2.3	52.2	+3.8	63.0	+4.4	70.1	+2.4	75.6	+2.2	73.6	+0.2	70.4	+1.4	61.2	+1.6	50.4	+3.0	35.3	−2.7	55.0	+1.3
Charlotteburg	26.2	−1.3	26.2	−0.8	40.0	+3.7	51.8	+5.1	61.3	+3.6	66.4	+0.8	70.4	+0.0	67.6	−0.7	62.5	+0.2	52.4	+1.0	41.4	+0.7	26.4	−4.2	49.4	+0.7
Chatsworth	29.8	......	31.4	......	^{a}44.0	......	53.1	......	65.8	......	71.2	......	75.5	......	71.6	......	......	......	56.2	......	45.8	......	31.2	......	......	......
Clayton	30.3	−1.6	31.6	0.0	......	......	......	......	66.8	+5.2	72.6	+3.0	76.2	+1.0	73.2	−0.1	69.6	+2.6	60.6	+4.2	......	......	^{a}34.0	−0.6	......	......
Dover	^{b}26.7	−0.5	27.2	0.0	^{f}40.4	+4.4	......	......	61.8	+3.1	67.2	+0.2	71.6	0.0	68.2	−1.1	^{e}61.4	−1.1	52.7	+1.3	^{a}41.7	+1.0	^{b}27.7	−2.7	......	......
Elizabeth	32.4	+1.5	......	......	42.6	+3.2	53.9	+3.0	64.7	+2.9	70.4	−0.2	77.4	+2.1	......	......	......	......	57.0	+1.8	45.2	+1.3	30.5	−3.3	......	......
Flemington	27.5	−3.0	30.7	+0.4	43.2	+2.6	54.8	+4.6	65.4	+4.0	71.1	+1.2	74.8	−0.1	71.5	−1.3	67.2	+0.5	56.7	+1.1	44.4	+0.8	29.6	−3.4	53.1	+0.6
Freehold	29.9	−2.8	29.5	−1.6	42.4	+3.4	53.0	+2.8	65.0	+3.0	70.2	−0.3	74.8	+0.1	71.4	−1.6	67.2	+1.1	55.9	+0.6	45.1	0.0	30.1	−4.9	52.9	0.0
Hammonton	32.4	−1.7	33.1	−1.4	47.3	+5.8	55.4	+3.4	66.8	+3.6	......	......	......	......	......	......	......	......	58.2	+1.8	49.7	+3.1	33.3	......	......	......
Hightstown	28.7	−1.8	29.6	−1.4	42.2	+1.6	53.1	+2.9	61.4	+3.5	70.2	+1.0	75.0	+0.8	71.3	−0.9	66.0	−0.5	55.5	+0.6	44.9	+1.1	30.0	−3.4	52.6	+0.3
Indian Mills	29.6	−2.8	30.7	−2.0	43.0	+1.9	53.6	+3.1	65.7	+3.9	70.8	+0.8	75.2	+0.6	72.0	−0.6	66.8	+0.4	56.1	+0.8	45.4	+1.5	30.8	−3.8	53.3	+0.3
Jersey City	31.8	−0.8	31.0	−0.7	44.4	+4.5	55.2	+5.1	65.9	+4.2	71.5	+0.5	76.9	+1.0	73.8	−0.2	68.3	+0.7	59.2	+2.8	47.6	+2.7	32.2	−2.8	54.8	+1.4
Lakewood	30.3	−1.9	31.0	−0.5	43.2	+2.9	53.7	+4.1	65.2	+4.8	70.4	+1.6	74.8	+1.3	71.4	−0.1	66.4	+1.2	56.2	+1.8	46.6	+2.8	32.3	−2.2	53.5	+1.3
Lambertville[near]	28.2	−2.6	30.9	+0.3	42.6	+3.4	54.2	+4.2	65.5	+4.5	70.7	+1.2	74.5	+0.4	72.0	−0.3	66.8	+1.0	55.7	+1.3	45.7	+2.5	30.8	−2.6	53.1	+1.1
Layton [near]	22.6	−3.0	25.8	+0.5	38.6	+2.8	51.2	+4.5	60.8	+3.1	67.5	+1.4	71.0	−0.2	68.0	−0.7	62.2	−0.3	50.4	−0.5	40.3	+0.8	24.8	−3.6	48.6	+0.4
Little Falls	28.2	−1.3	28.6	−1.7	41.8	+2.9	53.0	+3.6	64.6	+4.3	69.4	+0.2	74.6	+0.6	72.0	−0.1	65.6	+0.3	55.8	+1.7	44.0	+0.9	29.2	−3.6	52.2	+0.6
Long Branch	30.2	−1.8	30.3	−1.0	42.2	+2.9	52.4	+1.2	62.8	+4.3	69.2	+1.5	74.9	+2.0	72.2	+0.7	66.0	+0.1	56.5	+1.3	45.9	+1.5	31.2	−3.5	52.8	+1.0
Long Valley	24.0	......	26.7	......	39.0	......	50.3	......	61.6	......	66.2	......	71.2	......	68.0	......	62.1	......	52.4	......	41.2		26.6	......	49.1	......
Moorestown	29.5	−1.7	30.6	−1.2	43.2	+3.3	53.5	+3.1	65.6	+4.3	71.0	+0.8	74.6	−0.2	71.6	−1.1	66.3	+0.1	55.8	+0.9	44.6	+1.5	29.2	−4.8	53.0	+0.4
Newark	29.2	−0.7	29.4	−0.2	42.5	+3.1	53.0	+3.0	64.8	+3.6	70.4	+0.8	75.7	+1.0	72.6	−0.4	66.6	+0.2	56.8	+1.2	45.0	+1.2	30.0	−3.7	53.0	+0.8
New Brunswick	29.1	−1.5	29.8	−1.3	42.0	+2.8	53.0	+3.4	64.9	+4.4	69.8	+0.5	75.3	+1.2	71.6	−0.6	66.0	+0.2	56.3	+1.5	45.0	+1.3	30.3	−3.2	52.8	+0.7
Newton	25.7	−0.9	24.6	−2.6	39.2	+3.2	51.6	+3.8	^{a}61.5	+2.0	67.2	−0.7	71.8	−0.8	68.5	−1.9	63.4	−0.4	53.0	+0.3	41.5	+0.6	25.4	−5.0	49.4	−0.2
N. Merchantville	31.4	......	31.2	......	44.6	......	55.8	......	67.6	......	72.6	......	77.5	......	......	......	......	......	......	......	......	......	......	......	......	......
Paterson	27.2	−3.0	27.6	−3.1	41.0	+3.9	53.0	+2.4	64.4	+2.9	69.2	−0.9	74.7	+0.1	71.5	−0.7	65.4	−0.9	55.2	+0.1	43.0	−0.8	28.2	−5.3	51.7	−0.4
Pemberton	30.8	−3.7	31.9	−1.7	44.8	+3.3	55.1	+4.2	67.4	+4.4	72.4	+0.8	76.3	+0.4	73.6	−0.8	68.6	+0.9	57.6	+1.9	47.0	+0.8	31.6	−4.6	54.8	+0.5
Phillipsburg	27.0	−1.8	29.2	+0.3	41.2	+2.7	53.4	+4.0	^{b}64.2	+3.1	69.1	−0.4	73.8	−0.2	70.2	−1.6	64.4	−0.8	53.9	+0.4	44.3	+2.4	28.8	−3.0	51.6	+0.4
Plainfield	28.8	−1.5	30.2	+0.5	42.9	+3.8	53.8	+4.4	64.5	+4.3	69.9	+1.0	74.7	+0.8	71.6	−0.2	66.0	+0.4	56.2	+2.2	45.4	+2.5	30.4	−2.7	52.9	+1.3
Pleasantville	29.0	−4.6	31.2	−2.4	42.0	+1.6	52.4	+3.8	63.7	+4.7	70.1	+1.6	75.1	+1.8	71.8	−0.4	67.6	+1.7	56.3	+1.5	^{c}46.0	+1.0	^{a}33.1	−2.4	53.2	+0.6
Ridgefield	28.2	−1.3	28.4	−1.4	42.0	+3.5	53.1	+4.7	64.4	+4.5	69.4	+0.7	74.7	+1.0	71.6	−0.2	65.6	+0.5	56.0	+2.2	44.0	+1.0	28.8	−3.4	52.2	+0.2
Runyon	26.5	−4.2	29.1	−1.7	40.2	+0.8	52.6	+4.5	62.4	+2.9	68.7	+0.1	71.9	−1.1	69.8	−1.9	63.8	−0.5	54.7	+1.9	42.9	+0.1	25.7	−6.7	50.7	−0.5
Sandy Hook	30.6	−0.7	29.1	−3.0	42.0	+2.7	50.9	+2.6	62.6	+4.2	69.6	+1.8	75.2	+1.7	73.0	+0.5	67.5	0.0	58.1	+1.4	46.4	+0.6	31.5	−3.7	53.0	+0.7
Somerville[near]	28.4	−1.1	29.0	−0.9	41.5	+2.7	53.8	+4.4	64.4	+3.9	68.8	−0.3	73.6	−0.4	70.8	−1.5	65.2	−0.7	55.6	+1.4	44.4	+1.6	29.2	−3.6	52.1	+0.4
Sussex	25.1	−2.1	26.4	−0.5	39.9	+3.1	52.3	+3.9	62.5	+2.8	68.8	+1.4	72.4	+0.1	69.4	−0.6	63.2	−1.1	52.9	0.0	41.7	+0.3	26.0	−4.2	50.1	+0.3
Trenton	30.2	−0.3	30.2	−0.5	43.3	+4.2	54.5	+4.7	65.8	+4.7	71.1	+1.6	76.0	+1.5	72.7	−0.3	67.4	+0.5	57.2	+1.6	45.8	+1.4	30.7	−3.7	53.7	+1.3
Trenton No 2	29.8	......	30.4	......	43.4	......	54.7	......	66.2	......	71.3	......	75.7	......	72.0	......	66.6	......	56.3	......	45.4	......	30.6	......	53.5	......
Tuckerton	32.7	−1.3	32.7	−0.6	44.0	+2.8	52.4	+3.0	64.0	+4.1	71.4	+2.5	75.8	+1.6	72.6	−0.1	69.0	+2.3	58.2	+1.7	49.6	+4.2	33.5	−2.7	54.7	+1.5
New York, N. Y.	30.9	0.0	29.6	−1.7	42.9	+5.2	53.3	+3.9	64.1	+3.5	69.8	+1.0	74.9	+1.1	72.8	−0.3	67.5	+0.7	58.8	+2.5	46.6	+2.4	31.6	−3.4	53.6	+1.4
Philadelphia, Pa.	32.5	−0.1	31.7	−2.2	44.8	+4.0	56.2	+4.1	67.2	+4.3	72.6	+1.2	78.0	+1.8	74.1	−0.7	69.5	+1.5	59.0	+1.2	47.8	+2.1	32.7	−3.6	55.4	+1.1
For The State-	28.9	−2.0	29.7	−0.9	42.2	+3.0	53.1	+3.5	64.3	+3.9	69.8	+0.8	74.6	+0.8	71.3	−0.7	66.1	+0.3	56.1	+1.5	44.9	+1.2	30.0	−3.8	52.6	+0.6

Reference letters, as a, b, c., in table indicate number of days missing; for example, b represents 2 days. * Estimated

KILLING FROSTS

Stations	Last in spring	First in autumn	Stations	Last in spring	First in autumn
Atlantic City	Mar. 26	Nov. 15	Layton	May 11	Sept. 29
Barnegat City	Apr. 14*	Oct. 28*	Little Falls	Apr. 14	Oct. 28*
Belleplain.	do. 24*	do. 27	Long Branch	do. 14	do. 28
Belvidere	do. 13*	do. 28	Long Valley	do. 14	do. 28
Boonton	do. 15*	do. 29*	Moorestown	do. 14	do. 28
Bridgeton	do. 14	do. 28	Newark	do. 9*	Nov. 5*
Burlington	Mar. 30*	do. 27	New Brunswick	do. 14*	Oct. 28
Canoe Brook	May 6*	Oct. 3*	Newton	do. 14	do. 27
Cape May	Feb. 27*	Nov. 14*	Paterson	do. 14*	do. 29
Charlotteburg	do. 11*	Sept. 29	Pemberton	do. 14	Oct. 28*
Chatsworth	Apr. 14	Oct. 28			
Clayton	do. 14	do. 25	Phillipsburg	do. 14*	Oct. 27
			Plainfield	do. 14*	Oct. 28*
Dover	Apr. 27	Oct. 7	Pleasantville	do. 14	do. 28
Elizabeth	do. 26	do. 28*	Ridgefield	do. 14	Nov. 4
Flemington	do. 14	do. 28	Runyon	do. 24	Sept. 30
Freehold	do. 14*	do. 27	Sandy Hook	Feb. 28*	Nov. 13*
Hammonton	do. 14	do. 27	Somerville	Apr. 13	Oct. 28
Hightstown	do. 14	do. 27*	Sussex	May 11	Sept. 29
Indian Mills	do. 14	do. 28	Trenton	Mar. 28	Nov. 5
Jersey City	Mar. 30*	Nov. 5*	Tuckerton	Apr. 14	Oct. 28
Lakewood	Apr. 14	Oct. 28			
Lambertville	do. 14	do. 28	For the State	May 11	Sept. 29

* No frost reported; temperature 32° or below.

MONTHLY STATE DATA FOR 1942

Month	Temperature				Precipitation					
	Mean	Departure from normal	Highest	Lowest	Average	Departure from normal	Greatest	Least	Snow	Greatest.
January	28.9	−2.0	66	−23	2.98	−0.67	4.30	2.26	5.5	8.5
February	29.7	−0.9	63	−5	2.69	−0.86	4.62	0.92	1.2	4.5
March	42.2	+3.0	72	16	5.73	+1.96	7.27	3.75	1.7	5.0
April	53.1	+3.5	95	18	1.39	−2.26	2.43	0.58	1.6	8.3
May	64.3	+3.9	97	25	2.41	−1.27	5.30	0.96	0.0	0
June	69.8	+0.8	96	41	3.11	−0.72	6.98	1.22	0.0	0
July	74.6	+0.8	105	41	7.30	+2.61	12.28	3.90	0.0	0
August	71.3	−0.7	101	35	8.24	+3.49	14.65	3.65	0.0	0
September	66.1	+0.3	96	25	4.55	+0.76	9.31	0.98	0.0	0
October	56.1	+1.5	87	21	3.43	−0.18	6.59	2.25	0.0	0
November	44.9	+1.2	78	12	4.14	+0.94	7.10	2.04	T.	0.1
December	30.0	−3.8	67	−17	4.55	+1.00	6.76	2.87	6.8	13.8
Year	52.6	+0.6	105	−23	50.52	+4.80	14.65	0.58	16.8	13.8

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